CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Artificial silk plant, Camden, N. J., Furness Corp., plans, $10,000,000.

Oil pipe line, San Angelo, Texas, Texas-Ohio Oil Co. and Transcontinental Oil Co., making preliminary surveys, $7,000,000.

Pipe line and distributing systems, Marshall, Tex., Texas-Dixie Gas & Utility Co., plans, $5,120,000.

Railroad, Kansas City, Mexico & Orient Ry. Co., plans extension, $2,500,000.

Hotel, Scarsdale, N. Y., Equity Scarsdale Corp., N. Y. C., having plans prepared, $2,000,000.

Apartment hotel, Toronto, Ont., Ramsey, Stewart & Co., soon takes bids, $2,000,000.

Apartment hotel, Toronto, Ont., Garden Apartments c/o N. A. Armstrong & Co., Ltd., archts., having plans prepared, $1,500,000.

Hospital, Minneapolis, Minn., Estate Building Co., having plans prepared, $1,500,000.

Waterworks, Eugene, Ore., voted bonds, $1,250,000.

Cement plant, Louisville, Neb., Ash Grove Cement Co., Kansas City, Mo., will build, $2,000,000.

Bids Received

Subway, Philadelphia, Pa., Dept. City Transit, July 19 from Heyman & Goodman, N.Y.C., $7,629,880.

Waterworks, Corpus Christi, Tex., from Smith Bros., Crockett, $1,612,955.

Waterworks, Oakland, Calif., Directors East Bay Municipal Utility Dist., from G. Pollock Co., Sacramento, $1,370,685.

Contracts Awarded

Passenger station, Buffalo, N. Y., New York Central R.R. Co., N. Y. C., to Walsh Constr. Co., Syracuse, $12,000,000.

Gas pipe line, Texas and Louisiana, Dixie Pipe Line Co., Galveston, to Moody Seagraves Co., Orange, $10,000,000.

Factory, Pontiac, Mich., Yellow Truck & Coach Mfg. Co., Detroit, to J. A. Utley, Detroit, $8,000,000.

Factory, Los Angeles, Calif., B. F. Goodrich Rubber Co., Akron, O., to Foundation Co., N. Y. C., approx. $5,000,000.

Hospital, Detroit, Mich., Detroit Bd. of Health, to W. E. Wood Co., $2,387,219.

Warehouse, Long Island City, N. Y., Bloomingdale Bros., Inc., N. Y. C., to Turner Constr. Co., N. Y. C., $1,500,000.

Professional Bldg., New York, N. Y., Philsin Realty Corp., to Dwight P. Robinson & Co., $1,500,000.

Apartment, Seattle, Wash., Exeter Co., to H. F. Allan, $1,000,000.

News of the Week

Waterworks

Proposed Work

Mass., Charlestown (sta. Boston)—W. F. Schrafft & Sons Corp., 160 Washington St. N., Boston, plans condenser water intake and discharge pipes, and dredging Mystic River, etc., here. To exceed $15,000. Private plans.

Mass., West Townsend—Water Div. making surveys water system, incl. shallow wells, pumps, reservoir and water lines. $70,000. Parker, Bateman & Chase, High St., Clinton, engrs.

O., New Paris—Soon takes bids waterworks. $40,000.

Mo., Lilbourn—City postponed indefinitely construction waterworks and sewerage system. $70,000. A. C. Moore, Joplin Natl. Bank Bldg., Joplin, engr. Noted Sept. 16.

Tex., Beaumont—See "Unclassified."

Okla., Okay—Making preliminary plans new waterworks. $17,000. G. Howe, mayor. Engineer not selected.

Okla., Rosston—Made preliminary plans new waterworks. $18,000. G. Baxter, mayor. Engineer not selected.

Okla., Stillwater—Making plans waterworks improvements. Koch & Fowler, 801 Central Bank Bldg., Dallas, Tex., engrs.

Okla., Wagoner — Making preliminary plans main extensions, pumping equipment and additional storage. $40,000. A. McAllister, mayor. Engineer not selected.

Ore., Eugene—Voted $1,250,000 bonds, developing waterworks and power system from McKenzie River. W. C. Clubb, Court House, engr. Noted July 14.

Bids Desired

Conn., Hartford—Aug. 15, by Bd. City Water Comrs., Municipal Bldg., 3 mi. pipe line from Reservoir 6 to Reservoir 5. Adv. E. N.-R. July 28.

N. Y., Helmuth—Aug. 10, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing and repairing water sections and bath rooms, at Gowanda State Hospital, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. July 28.

N. J., Denville—Aug. 3, by Twp. Com., C. Lawrence, chn., Township Hall, drilling 1 or more 6 in. test wells, 1 or more well units, gravel filter type, with pump and motor, delivering 350 g.p.m; and 1 or more well units deep driven well type, each equipped with pump and motor delivering 350 g.p.m. G. W. Knight, 147 Prospect St., Passaic, consult, engr.; adv. E. N.-R. July 28. Noted July 14.

Md., Baltimore—Aug. 3, by Bd. Awards, c.i. pipe and fittings to Bureau Water Supply, for Mayor and City Council. G. F. Wieghardt, City Hall, water engr.

La., Colfax—Aug. 2, by Town, waterworks equipment. F. P. Joseph, Glenmora, consult. engr.

Ind., Martinsville—Aug. 1, by Common Council, at office H. H. Hammans, clk., 3 centrifugal pumps in buildings of Waterworks Dept.

Ill., Monmouth—Aug. 1, by City, 120 x 70 x 12 ft. rein.-con. storage reservoir. $20,000. Kinsey Eng. Co., Arcade Bldg., Pekin, engrs.

Idaho, Idaho Falls—Taking bids drilling and equipping well for water supply. E. F. Underhill, city clk.

Bids Received

Tex., Corpus Christi—H. Levinson, city engr., waterworks improvements including dam across Nueces Valley, to impound 100,000 acre ft. water, from Smith Bros., Crockett, $1,612,955.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Calif., Oakland—Directors East Bay Municipal Utility Dist., for Lafayette Dam, from G. Pollock Co., Forum Bldg., Sacramento, $1,370,685. Noted June 2.

Contracts Awarded

Mass., Cambridge (br. Boston)—Relining and waterproofing concrete reservoir at Payson Park in Belmont, to Rust Eng. Co., 311 Ross St., Pittsburgh, Pa. Engrs. est. $15,000 or more.

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Avenues L, R. T. Z, Bedford and Benson Aves., etc., here, to G. V. Cornell, 30 Egbert Pl., Rosebank, $26,420. Noted June 23.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, altering structures along 72 in. steel pipe line on Conduit Blvd., here, to Johnson, Drake & Piper, 830 1st Natl. Soo Line Bldg., Minneapolis, Minn., $19,825. Noted June 23.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 26th Ave., South Janes and 12th Sts., etc., here, to Norton Constr. Co., 21 East 40th St., New York City, $17,478. Noted June 30.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Maspeth and 70th Aves., etc., to Gregory Contg. Co., 351 East 124th St., New York City, $11,169; in Bayview Ave., Broad St., etc., here, to Riverdale Water Works Corp., 355 East 113th St., New York City, $10,900. Noted June 30.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Baisley, Barnes and Blackrock Aves., to Palladino Contg. Co., 437 East 120th St., $15,622. Noted June 30.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bainbridge, Bouck, Castle Hill Aves., etc. to Norton Constr. Corp., 21 East 40th St., $11,617. Noted July 7.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, Contr. 805, to W. V. Pangbourne & Co., 1927 West Montgomery St., $5,676; Contr. 879, to Rumsey Electric Co., 1007 Arch St., $12,647; Contr. 887, to A. P. Smith Mfg. Co., East Orange, N. J., $18,120; Contr. 888, to P. and A. J. Ellis, 4th and Wyoming Sts., $13,311; and Contr. 889, to Penna. Eng. & Constr. Co., Real Estate Trust Bldg., $13,562. Grand total $63,316. Noted July 14.

La., Winnfield — Extending 6 and 8 in. mains, laterals, etc., in various streets, to J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., $44,000. Noted June 23.

O., Bay (br. Cleveland)—Mains in Carlton Dr. and Osborne Rd., to J. Kahill & Jackson, Prospect-4th Bldg., Cleveland, $3,020 and $19,938 respectively. Noted June 30.

Mich., Ypsilanti—H. C. Holmes, city clk., rein.-con. reservoir, for water plant, to Townsend Dailey Co., Ypsilanti, $34,429.

Wis., Milwaukee — For 7,380 ft. 6- to 20-in. mains in various streets, to F. E. Kornwiski, Milwaukee, $71,804.

Neb., Louisville—See "Buildings Industrial."

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, completing power and lighting switchboard for Howard Bend Waterworks Sta-

See proposal advertising on page 120

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Waterworks engineers and superintendents prefer to use Leadite for joints—*It assures them that the pipe line will be completed and a revenue producer well within the time allowance.*

THE speed and simplicity of use of Leadite is a big factor in rapidly expanding communities.

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NO CAULKING

Waterworks (Continued)

tion, at Hine, on Missouri River, to W. Wurdack Electric Mfg. Co., 21 South 11th St., $13,500. Engrs. est. $11,000. Noted June 16.

Tex., Sweetwater—Waterworks improvements, drilling and equipping 9 wells, to D. L. McDonald, Amarillo, approximately $28,000.

Okla., Earlsboro—New waterworks, incl. 2 deep well pumps and motors, 80,000 gal. tank on tower, 24,900 ft. 4- to 8-in. c.i. pipe, etc., to Standard Paving Co., 1742 East 6th St., Tulsa, $165,000. Engrs. est. $175,000. Noted June 23.

Okla., Sayre—New wells, pumps, motors, and main extensions, to Western Contg. Co., 1st Natl. Bldg., Oklahoma City, $56,-950. Engrs. est. $63,000. Noted June 23.

Wash., Anacortes—Two 500,000 gal. filter units added to water works, to California Filter Co., Securities Bldg., Seattle, $23,476.

Sewers

Proposed Work

Conn., Hamden (br. New Haven)—Plans sewer in section bounded by Pine Rock and Gilbert Aves., State St. and Ridge Rd. $300,000.

Ind., Elwood—Soon takes bids constructing South District sewer. $64,000.

Ill., Dallas City—Bd. Local Impvts., W. F. Anguish, pres., takes bids about Aug. 1, 17,621 ft. 8 to 15 in. vitr. clay sewers four hundred and sixty-seven 6 in. wye service connections, 8,194 cu.yd. earth excav., etc. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs. Former bids rejected.

Wis., Cudahy—Making plans relief, storm and sanitary sewerage system. $1,000,000. R. A. Steinhagen, 845½ 38th St., Milwaukee, engr.

Minn., Sacred Heart—Village, A. N. Stenborg, recdr., plans sewage disposal plant and sewers in various streets. $35,000. Druar & Milionwski, 500 Globe Bldg., St. Paul, engrs.

Kan., Buhler—Voted $32,000 bonds, sewerage system. Devlin Eng. Co., 614 Bitting Bldg., Wichita, engrs.

Mo., Lilbourn—See "Waterworks."

Tex., Beaumont—See "Unclassified."

Tex., Houston—Soon takes bids sewers along Buffalo Bayou Dr. from Shepherd Dr. to point near exposition grounds. $70,-000. J. C. McVea, city engr.

Tex., Houston—J. C. McVea, city engr., prepared plans and soon takes bids rein.-con. disposal plant, addition, incl. four 60 ft. square aeration tanks, 15 ft. deep, 300 ft. long, 30 ft. wide, etc., for City. $200,000. Noted May 5.

Okla., Frederick—Made preliminary plans storm sewers in various streets, business section. $25,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Stillwater—Making plans sanitary sewers in various streets. To exceed $25,-000. Koch & Fowler, 801 Central Bank Bldg., Dallas, Tex., engrs.

Calif., Redwood City—Plans 68,146 ft. 4- to 12-in. vitr. and 752 ft. 4- to 12 in. c.i. sewer, etc. in various streets. To exceed $50,000. C. L. Dimmitt, city engr.

Calif., San Diego—Plans Switzer Storm Drain, 25,422 ft., 6- to 66-in. concrete pipe, etc. F. M. Lockwood, city engr.

Bids Desired

Mass., Boston—Aug. 3, by Dept. Pub. Wks., sewerage works in Cottage Ave., West Roxbury; and Aug. 4, in Kneeland St. Boston Proper. $25,000. J. H. Sullivan, comr.

R. I., East Providence (br. Providence)—July 29, by Com. on Sewage Disposal, Town Hall, 2 mi. 8- to 24-in. vitr. clay and c.i. sewers, also certain disposal works. City-Wastes Disposal Co., 45 7th Ave., New York City, engrs.

Conn., Mansfield—Aug. 1, by Trustees Mansfield Training School, sewers, filter bed and tank, etc. $25,000. C. M. Saville, 1026 Main St., Hartford, engr.

N. Y., Long Island City—Aug. 2, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Hampton, Carolin, and Van Dorne Sts., 60th (Pacific St.), Marabel, Kingsland, Warner, and Skillman Aves.

N. Y., New York—Aug. 4, by W. J. Flynn, acting pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in East 233rd St., Hill and Nereid Aves.

Pa., Phila.—Aug. 3, by Dept. Pub. Wks., Bureau of Engineering, branch sewers in various streets. G. H. Biles, dir.

Md., Gaithersburg—Aug. 10, at office Washington Suburban Sanitary Comr. Evans Bldg., New York Ave., Wash., D. C., two concrete sedimentation tanks, and sprinkling chamber, Contr. 62-S, here. R. B. Moorse, Hyattsville, ch. engr. district; adv. E. N.-R. July 28.

Ky., Fort Thomas—Aug. 8, by City, at office R. R. Pyne, city engr. sewage pumping station, force mains and appurtenant works; adv. E. N.-R. July 28.

Ky., Southgate (mail Newport)—Aug. 1, by City Clerk, City Hall, 22,700 ft. 6 to 10-in. vitr. clay sewers in various streets. $80,000. Former bids rejected. E. E. Nepper, 128 Walnut St., engr. Noted July 7.

O., Euclid (br. Cleveland)—Aug. 1, by Village sewer in Euclid Ave. (3 sections), Babbitt Rd. and Lake Shore Blvd. To exceed $50,000. F. A. Thomas, Town Hall, engr.

O., Lyndhurst (br. Cleveland)—Aug. 1, by Village, sewer in Clearview and Cranover Sts. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ind., Indianapolis—July 29, by Bd. Pub. Wks., sewer in Sharon Ave., etc.

Neb., Curtis—Aug. 2, by D. C. Bancroft, city clk., 20,685 ft. 8 to 12 in. sanitary sewers, 600 manholes, etc. in various streets. $29,000. Nixon & Reynolds, 305 Grain Exch. Bldg., Omaha, engrs.

Tex., Galveston—Aug. 4, by C. A. Holt, city engr., 4,780 ft. 3½ ft. x 2 ft. 9 in. monolithic concrete and 4,570 ft. 18- to 24-in. vitr. clay or concrete trunk sewer in various streets, for City, A. C. Kelley, secy.

Calif., Los Angeles—Aug. 19, by Los Angeles Co. Sanitation Dist. 1, Mountain View Belle Vernon trunk sewer. A. K. Warren, Law Bldg., engr.

Calif., Lynwood—C. L. Stoddard, city clk., taking new bids vitr. sewer in Fernwood Ave. between Long Beach Blvd. and Bullis Rd., etc. (A & I No. 10), and Long Beach Blvd. between Tweedy and Abbott Rd., etc. (A & I No. 9) $200,000. R. B. Miller, city engr.

Calif., Lynwood—C. L. Stoddard, city clk., taking bids 30,934 ft. 6- to 10-in. sewer, etc. in A. & I. Impvt. Dist. 11. $50,000 or more. Noted June 30. R. B. Miller, city engr.

B. C., Point Grey—See "Contracts Awarded."

Contracts Awarded

Mass., Medford—Storm water drain, Sect. 2, to G. Ferullo Co., 31 North Sq., Boston, $15,000 or more.

Conn., Bridgeport—Trunk sewer in Brewster St., also sewers in Lindley, Alex, Higgins, Jewett, Gilman and Montgomery Sts., Pierce and Capitol Aves., to Clark Sewer Constr. Co., 194 Bronx Ave., $112,-556, engrs. est. $115,000; also Brewster St. sewer siphon, in Burr Creek, to L. Jacques Constr. Co., 59 Carleton Ave., $24,948, engrs. est. $25,000.

N. Y., Albany—Bd. Contr. & Supply, City Hall, to S. B. Easton, 47 Fairlawn Ave., sewer in Cliff St. $17,910, Harding and Maxwell Sts., $13,331, and Twitchell St. $628; to H. Dumary, 119 State St., Cortland St., $103,254; and to E. B. Stevenson, 443 Bway., Southern Blvd., $4,405; to F. Sheehan, Inc., 446 Yates St., Harvard Ave. $1,136. Grand total $140,664. Noted June 16.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Peconi Contg. Co., 152 East 4th St., sewer in Hendrix St., $37,191; to S. Guerriero, 1024 66th St., East 40th St. $3,772; and East 8th St. $3,371; to Tozzi Bros., 1362 63rd St., in East 34th St. $5,861, and in Avenue N, $1,603. Grand total $56,072. Noted June 29.

N. Y. Cheektowaga (mail Depew)—For 20 mi. 10-to 36-in. Storm and sanitary sewers, also disposal plant, to Kenda Constr. Co., Cheektowaga, $907,330.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to A. Musumecci & Sons, 277 East 146th St., sewer in Revere Ave. $2,321, Arnow Ave. $5,734, Barnes Ave. $6,675, and in Tenbrock Ave. $11,252; to Slack & Slack, 1621 Gates Ave., in East 149th St. $28,190, and Warring Ave. $2,615. Grand total $56,787. Noted July 7.

N. J., Newark—City, Sect. V, Supplementary Joint Trunk Sewer in East Orange, Hillside, Irvington, Maplewood, Millburn, Newark, Roselle Park, South Orange, Summit, Union and West Orange Twps., to Spiniello Constr. Co., 493 Marine Ave., Orange, $450,937. Noted June 30.

O., Akron—W. F. Peters, dir. Pub. Serv., 8,125 ft. 8 in. vitr. clay sewer, etc. in Garman Rd. et al., to B. F. Perry, 788 Noble Ave., $21,528. Engrs. est. $35,900. Noted Apr. 21.

O., Cleveland—For 2,075 ft. 10 ft. brick sewer in East 82nd St., to Winterbottom Connelly Co., 1400 West 25th St., $296,769.

O., Parma (br. Cleveland)—Sewers in 12 streets, Group "F," to Langenhan Constr. Co., Marshall Bldg., $92,867; also 2 streets, Group "G," to Yahya Bros., 3333 Woodbridge Ave., $34,900. Noted July 14.

Wis., Janesville—Approximately 21,791 ft. 8- to 30-in. sewers in various streets, to J. L. Knudson, Janesville $43,642. Noted June 9, under "Streets and Roads."

Neb., Louisville—See "Buildings—Industrial."

Tex., Raymondville—Sewerage system and disposal plant, to Southern Rd. Co., Houston; pipe, to San Antonio Machine & Supply Co., 325 North Centre St., San Antonio. Total $44,000.

B. C., Barnaby—For 70,555.7 ft. 6- to 15-in. sewers in various streets, to N. Cosco, 1174 Bway. W., Vancouver, $92,690, and to Cosco & Rosse, 619 Homer St., Vancouver, $53,370. Engrs. est. $150,000.

B. C., Point Grey—City will build main and trunk sewers in Ash St. and 16th Ave., by day labor. $32,000. W. B. Greig, 5851 West Blvd., Vancouver, engr.

Waste Disposal

Proposed Work

Ind., Anderson—Making plans garbage disposal plant. $140,000. M. H. Downey, City Hall, engr.

Bridges

Proposed Work

R. I., Providence—Making plans concrete bridge, Crawford St. $25,000. S. F. Nolan, city engr.

Kan., Eureka—Greenwood Co. making plans one 30 ft., one 120 ft. and one [illegible] ft. span, steel truss and I-beam bridge. E. Christian, Eureka, co. engr.

Kan., Paola—Miami Co. making plans one 100 ft. and four 40 ft. concrete arch steel deck bridge. L. E. Keefer, Paola, engr.

Mo., Springfield—Takes bids about Aug. 10, Benton Ave. Viaduct $75,000; and Grant Ave. Viaduct; $90,000. Russell & Axon, McDaniels Bldg., engrs. Noted Apr. 21.

Ore., Salem—Making plans bridge, on Sundry St. $350,000. H. M. Rogers, Court House, Salem, engr.

Ont., Sparta—Elgin Co., Court House, St. Thomas, plans 1 or 2 span 175 ft. steel and concrete bridge, 3 mi. east of here. $40,000. J. A. Bell & Son, Court House, St. Thomas, engr.

Bids Desired

Maine—Aug. 4, by State Hy. Comn., Augusta, Gully Brook Bridge in Orland; Lower Village Bridge in Phillips; Cain Bridge in Clinton; Oxford County Tool Bridge in Bethel; and Sunday River Bridge in Bethel. State Hy. Comn. State House, Augusta, engr.

Mass., Huntington—Aug. 2, by Dept. Pub. Wks., Boston, 1,897 ft. steel bridge with gravel approaches, here, for Commonwealth of Massachusetts, Boston. W. F. Williams, comr.

New York—Aug. 12, by A. W. Brandt, comr. Highways, at office State Pub. Wks., Bldg., Albany, constructing bridges, etc. on roads in Erie and St. Lawrence Counties; also reconstructing bridges in Broome, Cattaraugus, Erie, Lewis, Rensselear, St. Lawrence and Warren Counties. Adv. E. N.-R. July 28.

N. J., Matawan—Aug. 15, by State Hy. Comn., Trenton, 265 ft. concrete and steel bridge on Route 4, Sect. 34A, Monmouth Co., here. A. L. Grover, clk.; adv. E. N.-R. July 28. Noted June 30.

Florida—Aug. 16, at office State Rd. Dept., Tallahassee, constructing 496 ft. bridge on Project 700-B, Rd. 19, Jefferson Co.; and 297 ft. bridge on Federal Aid Project 6-B, Rd. 1, Madison Co. J. L. Cresap, state engr.

Wisconsin—See "Streets and Roads."

Ia., Audubon—Aug. 2, by Auditor Audubon Co., repairing wood pile sub-structure under 60 ft. pony trusses. A. J. Van Sise, Audubon, co. engr.

Wis., Muscoda—Aug. 5, by State Hy. Comn., at Village Hall, constructing Muscoda Bridge, incl. 1,167,600 lb. structural steel and 91,550 lb. reinforcing, etc. C. H. Kirch, Madison, bridge engr.

Calif., Gallvan (mail El Toro)—Aug. 8, by State Hy. Comn., Sacramento, one 30

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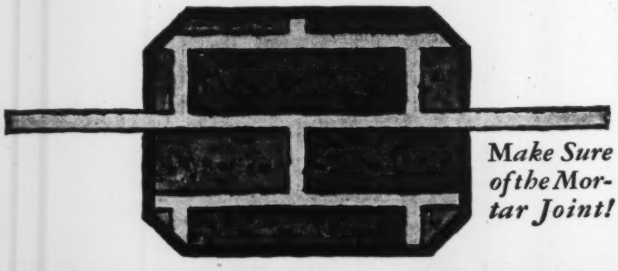

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Bridges (Continued)

ft., two 40 ft. and two 50 ft. span rein.-con. girder bridge over Atchison, Topeka & Santa Fe Ry. tracks, near here, Orange Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Contracts Awarded

New York—A. W. Brandt, comr. Highways, Albany, **(e.e. means engineers estimate)** constructing 90 ft. bridge on Repair Contr. 1629, Highway 1247, Moscow-Genesee Highway, also 95 ft. span and widening I-beam bridge on Repair Contr. 1627, on Big Tree Highway 86, Erie Co. to Oatka Eng. & Constr. Co., Warsaw, $42,230 and $59,525 respectively e.e. $60,284 and $73,795 respectively; 14 ft. span bridge, Repair Contr. 1623, Middle Granville-North Granville, Highway 5648, Washington Co., to W. M. Bronk, Hudson Falls, $9,758 e.e. $11,515; 80 ft. span girder bridge, Repair Contr. 1622 Medina-Alabama Highway 395 Orleans Co. and concrete bridge on Repair Contr. 1628, Hamlin Part 1, Highway 80, Monroe Co. to Ingersoll & Barhite, Medina, $38,545 and $16,528 respectively e.e. $48,902 and $20,644 respectively; 40 ft. span I-beam bridge, Repair Contr. 1621, Manchester-Clifton Springs, Highway 607, Ontario Co., to F. Callahan, Auburn, $21,885 e.e. $26,794; Grand total $188,471. Noted June 30 under "Streets and Roads."

N. J., Newark—Lehigh Valley R.R. Co., 143 Liberty St., New York City, G. H. Hand, ch. engr. and Pennsylvania R.R. Co., Broad St., Sta., Phila., Pa., T. J. Skillman, ch. engr., pneumatic caisson foundations for 3,950 ft. bridge over Newark Bay, here, to A. McMullen Co., 50 Church St., New York City; also open cofferdam piers and abutments, to Henry Steers, Inc., 17 Battery Pl., New York City. Noted Mar. 31.

Pennsylvania—"See Streets and Roads."

Pa., Phila.—Dept. Pub. Wks., Bureau Engineering, Bridge Div., reflooring Girard Ave. Bridge over Schuylkill River, to M. and J. B. McHugh, 892 North Market St., $157,145. Noted June 30.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, substructure and approaches to Chef Menteur and Rigolets Free bridges, on Chef Menteur Highway, Orleans and St. Tammany Parishes, to Frederick Snare Corp., 114 Liberty St., New York City, N. Y., $944,441. Noted May 28.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, bridge on Project 212, McNairy Co., to W. H. Shons Co., Freeport, Ill., $60,360.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, to Roberts Supply Co., Lima, 70 ft. concrete bridge on Sect. "A-I" Delphos-Upper Sandusky Rd., Allen Co. $36,435, bridge on Sect. "E" Dayton-Covington Rd., Miami Co. $13,659, and concrete beam bridge on Sects. "B" and "C" Dayton-Springfield Rd., Clark Co. $17,-777; to A. K. Grandle Co., Leesburg, concrete bridge, Sect. "L-2" Cincinnati-Chillicothe Rd., Highland Co., $9,375; to F. L. Cox, Kensington, slab bridge and approaches, Sect. "C" Canton-Steubenville Rd., Carroll Co., $3,369; to T. E. Wren & Son, Springfield, 2 bridges and 7 culverts, Sects. "B" and "C" Dayton-Springfield Rd., Clark Co., $5,839; to Universal Constr. Co., Portsmouth, concrete girder bridge on Sect. "B" Waverly-Coopersville Rd., Pike Co., $21,-100; to J. W. Weeks, Gibbons Arcade, Dayton, culverts, Sects. "E" and "J" Cincinnati-Dayton Rd., Montgomery Co., $7,959. Grand total $115,513. Noted June 23.

Ia., Eldora—City and Hardin Co., 235 x 24 ft. concrete open spandrel arch bridge with two 5 ft. sidewalks, on Oak St., to Welden Bros., Iowa Falls, $46,400. Noted June 16.

Ia., Toledo—Tama Co., 1 pony truss bridge (county furnishes steel), to Ingersoll-Stoufer Eng. Co., Marshalltown, $5,590; 1 double I-beam bridge, to A. Melberg, Cedar Rapids, $7,200; and 1 high truss pony bridge, to A. Olson Constr. Co., Waterloo, $16,400. Total $29,190.

Mont., Cyr (mail Rivulet)—State Hy. Comn., Helena, concrete and steel truss bridge, here, Mineral Co., to W. P. Roscoe, Billings, $67,142. Engrs. est. $61,930.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 2 span 80 ft. viaduct, 100 ft., to carry Delmar Blvd. over Wabash Ry. tracks, to Dunham Constr. Co., Chemical Bldg., $88,253. Noted June 9.

Texas and Mexico—Starr County Bridge Co., c/o A. Y. Baker, pres., McAllen, Tex., 8 span 400 ft. steel and concrete toll bridge across Rio Grande River between Roma, Tex. and St. Pedro De Roma, Mex., to Piling & Foundation Co., Roma, approximately $100,000. Noted May 12 under "Roma, Tex."

Tex., Bishop—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

California — State Hy. Comn., Sacramento, 3 bridges between Livermore and Dublin, Alameda Co., to G. J. Ulrich, Modesto, $24,474. Noted June 9.

B. C., Cheakamus—Pacific Great Eastern Ry., 579 Dunsmuir St., Vancouver, H. Rindal, ch. engr., substructure 100 ft. and 50 ft. span bridge over Cheakamus Canyon, here, to Stewart & Barber, 736 Granville St., Vancouver, $25,000.

British Columbia—See "Streets and Roads."

Dams

Proposed Work

Ont., London—E. V. Buchanan, engr. c/o Utilities Comn. (owner) takes bids about Aug. 15, rein.-con. dam. $250,000. Noted Dec. 30.

Contracts Awarded

Mass., East Walpole—Bird & Sons, concrete dam, to J. Gascoigne & Co., Inc., 6 Beacon St., Boston. Engrs. est. $25,000. Noted July 7.

Ontario — Dept. Railways & Canals, Parliament Bldgs, Ottawa, concrete dam, on Trent Valley Canal, at Lock 24, between Lakefield and Peterborough, to Constr. & Eng. Ltd., 72 Queen St. W. Toronto. Engrs. est. $90,000. Noted May 26 under "Peterborough."

Railways

Proposed Work

Texas—Kansas City, Mexico & Orient Ry. Co., c/o W. T. Kemper, Wichita, Kan., plans 82 mi. extension, incl. trackage, grading, etc., from Alpine to point near Presidio, here, $2,500,000. W. L. Churchill, Wichita, Kan., ch. engr. Private plans.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ill., Peoria—Pekin-La Marsh D. D., c/o Kinsey Eng. Co., Arcade Bldg., Pekin, takes bids about Aug. 30, approximately 110,000 cu.yd. earthwork for levee, in Peoria Co. here.

Bids Desired

N. Y., New York—Aug. 4, by M. Cosgrove, comr. Docks, Pier "A", foot of Battery Pl., bulkhead wall at East 17th St., East River, incl. dredging, new bulkhead platform, rip rap, etc.

Miss., Clarksdale—Aug. 4, by Bd. Levee Comrs. Yazoo-Mississippi Delta, approximately 58,100 cu.yd. sub-levee work, and 15,500 cu.yd. short spur levee work, and 220,000 cu.yd. new loop at Burks Landing. W. L. Head, ch. engr.

Ark., Bridge Junction—Aug. 1, by Bd. of Directors St. Francis Levee Dist., approximately 70,000 cu.yd. sub-levee. H. N. Pharr, Bridge Junction, ch. engr., here.

Quebec—Aug. 2, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing breakwater at Hopetown West (Miller and Mann Rd.), Bonaventure Co., here. $25,000.

N. S., Port Hood—Aug. 2, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., dredging in Murphy's Pond, here.

N. B., Point Sapin — Aug. 2, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., extending breakwater, here. $30,000.

Contracts Awarded

Mass., Cambridge (Boston P. O.)—Cambridge Electric Light Co., 46 Blackstone St., concrete retaining wall, to J. J. Tobin, 515 Green St. Engrs. est. $40,000. Noted June 30.

Tex., Bishop—Nueces Co., Bishop-Driscoll D.D., 3, drainage system, 458,184 cu.yd. drains, and 33 small bridges, etc., to J. C. Ballinger, San Benito, approximately $160,-000. Noted June 30.

Streets and Roads

Bids Desired

Massachusetts—Aug. 2, by Dept. Pub. Wks., Boston, gravel with bituminous surface treatment paving 5,121 ft. highway in Gill; bituminous macadam paving 4,100 ft. highway in Marlborough, 5,020 ft. in Pittsfield, and 4,100 ft. in Ayer; also bituminous concrete paving 2,600 ft. highway in Nantucket, all 18 ft. W. E. Williams, comr.

Massachusetts—Dept. Pub. Wks., Boston, taking bids gravel with bituminous surface treating 8,250 ft. highway in Hadley, 18 ft. W. F. Williams, comr.

Mass., Hudson—See "Contracts Awarded."

N. Y., Brooklyn—Aug. 3, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading and granite block on 6 in. concrete paving Dikeman St. and Nassau Ave; granite block on sand paving Avenue U; grading and sheet asphalt on 6 in. concrete repaving Gravesend Ave.

N. Y., Lawrence—Aug. 15, at office J. Lougheim, village clk., Fire House, sheet asphalt, asphalt block, bituminous concrete, or warrenite repaving 4.17 mi. various streets. Stillman & Van Siclen, Inc., 227 Front St., New York City, engrs., adv. E. N.-R. July 28.

N. Y., New York—Aug. 4, by W. J. Flynn, acting pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., granite block on concrete paving, etc. East 168th St., 2 in. asphalt on concrete paving East 158th St. and Clark Pl.; grading, curbing sidewalks and sheet asphalt paving Loring Pl.; and grading, sidewalks, etc., on West 175th St. and East Tremont Ave.

N. Y., St. George—Aug. 3, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading Purcell St.; grading and bituminous concrete paving Tompkins Ave.; and bituminous macadam paving, etc., Mountain View Ave.

N. J., Freehold—Aug. 17, by Bd. Freeholders Monmouth Co., rein.-con. reconstructing 1.82 mi. Freehold-Englishtown Rd. 22, Sect. 1, and 1.09 mi. Farmingdale-Belmar Rd. 32, Sect. 1. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr., adv. E. N.-R. July 28.

N. J., Ridgefield Park—Aug. 9, by Bd. City Comrs., 232 Main St. grading and concrete paving Roosevelt Ave. from Preston St. to northerly boundary city line, $40,000; and Lincoln Ave. from Hackensack Ave. to Cedar St., $50,000. T. R. Boswell, 166 Johnson Ave., Dumont, engr.

N. J., Teaneck (mail West Englewood)—Aug. 2, by Twp. Com., Municipal Bldg., curbing, sewers and 6 in. rein.-con. paving Princeton Rd., Oak and Walnut Sts. A. Noack, 235 Main St., Hackensack, engr.

Pennsylvania—Aug. 12, by State Hy. Comn., Harrisburg, grading, rein.-con. bituminous and bituminous concrete paving approximately 26 mi. 21 projects in 20 counties. J. L. Stuart, secy. highways; adv. E. N.-R. July 28.

Pa., Phila.—Aug. 2, by Dept. Pub. Wks., Bureau of Highways, grading; asphalt paving (assessment work); asphalt repaving; redressed granite block repaving; paving and repaving 9th St.; grading and improving City Ave. and 57th St.; repairing bridges; asphalt paving mixtures; asphaltic concrete paving materials; crushed stone and bituminous material, etc. G. H. Biles, dir.

Maryland—Aug. 2, by State Rd. Comn., Baltimore, concrete or Amiesite paving 1.45 mi. highway through Campus of University of Maryland at College Park, Contr. P-77. Prince George Co., J. N. Mackall, chn.

Md., Baltimore—Aug. 2, by State Rds. Comn., Baltimore, grading, concrete and sheet asphalt paving various roads in Montgomery, Prince Georges, Baltimore, Anne Arundel, and Kent Counties, etc. J. N. Mackall, chn.; adv. E. N.-R. July 28.

Md., Baltimore—Aug. 3, by Bd. Awards, paving streets listed in Contr. 421. S. Percell, City Hall, highways engr.

Virginia—Aug. 11, by State Hy. Comn., Richmond, grading 8 mi. Project SI39C and S162DC; grading and bridging 3 mi. S494A; and bituminous macadam paving 3 mi. S505. C. S. Mullen, ch. engr.; adv. E. N.-R. July 28.

Va., Appalachia—Aug. 2, at Mayors Office, L. P. Witt, clk., grading and concrete paving 11,050 sq.yd. various streets; adv. E. N.-R. July 28.

Ga., Calhoun—Aug. 1, by J. C. Garlington, City Hall, grading, curbing and concrete paving 7,800 sq.yd. roadway, here. Wiedeman & Singleton, Candler Bldg., Atlanta, engrs.

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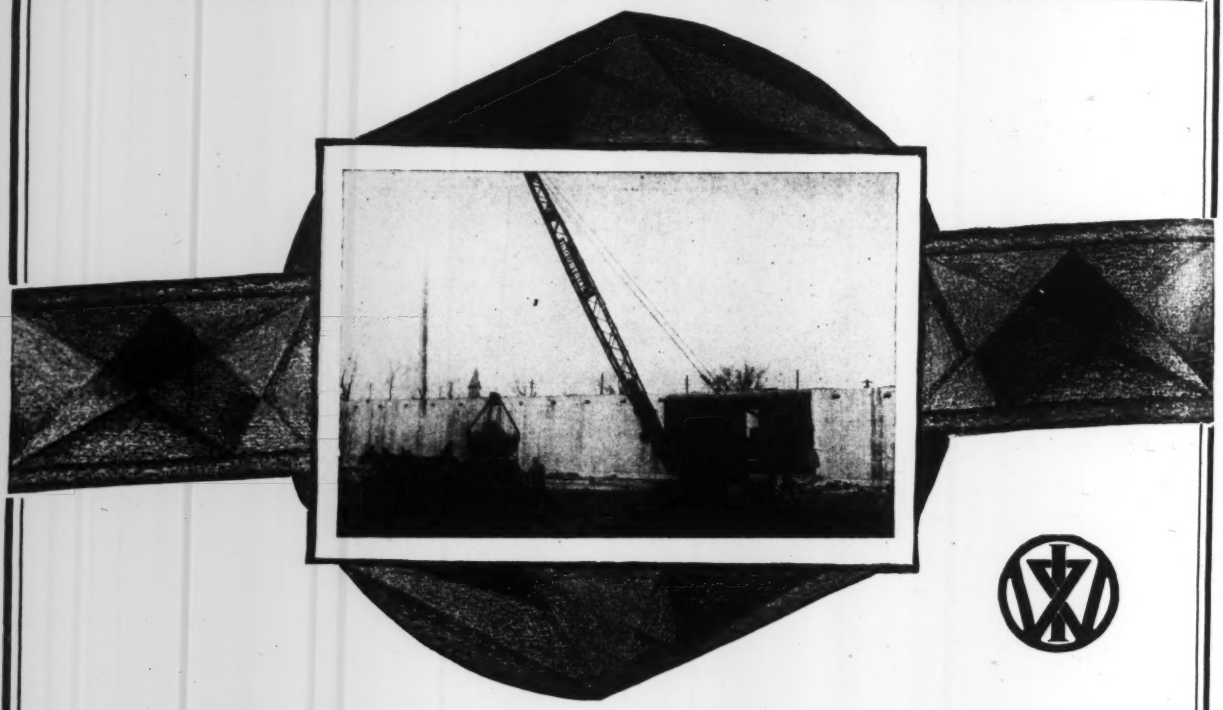

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Philadelphia, Pa. Packard Building
Pittsburgh, Pennsylvania Federal Reserve Bldg.
San Francisco, Calif. Monadnock Building
St. Louis, Mo. Railway Exchange Bldg.

Streets and Roads (Continued)

Florida—Aug. 16, at office State Rd. Dept., Tallahassee, **(P. means Project and R. Road)** grading, etc. 17.75 mi. P.518 and 13.19 mi. P.535, both R.5-A, Lafayette Co.; 6.23 mi. P.624, R.50 Hamilton Co.; 14.91 mi. P.706-BR.28, Putnam Co.; 7.98 mi. P.708 R.11, 9.65 mi. P. 722, R.11, and 8.83 mi. P. 722, R.43, all Jefferson Co.; 11.76 mi. P. 723, R.66, Leon Co.; and 12.23 mi. P. 763, R.50, Suwannee Co. J. L. Cresap, state engr.

Louisiana—Aug. 2, by State Hy. Comn., Baton Rouge, grading and graveling 11.46 mi. Baton Rouge Greensburg Highway, State Project 490-B, East Baton Rouge Parish; also widening roadbed embankment and graveling 8.894 mi. Abita Springs-Pearl River Highway, State Project 578-A, St. Tammany Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, state engr.

Kentucky—Aug. 26, by Hy. Comn., at office of E. N. Todd, highway, engr., Old Capitol Bldg., Frankfort **(F. A. means Federal Aid, and S.P. State Project)**, surfacing 11.4 mi. Fulton Mayfield Rd., F.A. 146, Fulton, Graves and Hickman Counties; grading and surfacing, etc. 5.4 mi. Cynthiana-Brooksville Rd., Harrison Co.; grading, etc. approximately 8.75 mi. New Castle-Frankfort Rd., S.P. 64½-A, Henry and Shelby Counties, 10 mi. Clinton-Mayfield Rd. and 9.8 mi. Columbus-Clinton Rd., S.P. 7-E, both Hickman Co., 10.9 mi. Inez-South Kermit Rd., S.P. 34-B, Martin Co., 8.9 mi. Tompkinsville-Scottsville Rd., S.P. 37-B, Monroe Co., 4 mi. Louisville-Bedford Rd. S.P. 13-A, Oldham Co., and 8.1 mi. Louisville-Bedford Rd., Oldham and Henry Counties.

Ohio—July 29, by G. F. Schlesinger, dir. Hys. & Pub. Wks., Columbus, grading and paving, etc. with **(a)** brick, except brick **(b)** brick not incl. brick **(c)** concrete and **(d)** sheet asphalt 3.178 mi. Sects. "A" and "B" Cleveland-Elyria Rd., Cuyahoga Co. **(a)** $254,296 **(b)** 243,226 **(c)** $287,518 **(d)** $267,983, 0.6 mi. Sect. "I" Natl. Rd., Guernsey Co. **(a)** $23,168 **(b)** $22,217 **(c)** $21,-014, 0.634 mi. Sect. "Kirkersville" Natl. Rd., Licking Co. **(a)** $20,539 **(c)** $19,350, 3.399 mi. Sect. "E" Mansfield-Cresline Rd., Richland Co. **(a)** $104,042 **(c)** $103,360, and 0.579 mi. Sect. "Dalton" Wooster-Massillon Rd., Wayne Co. **(a)** $23,922 **(c)** $20,743; gradin : and waterbound or bituminous macadam paving 4.667 mi. Sects. "E" and "I" Ohio River Rd., Clermont Co., $231,714; widening and waterbound macadam surfacing 2.031 mi. Sect. "F" Mansfield-Cresline Rd., Richland Co., $17,733; also grading, etc. 0.379 mi. Sect "I" McArthur-Athens Rd., Athens Co. $8,018, 5.628 mi. Sect. "E", etc. Canton-Steubenville Rd., Carroll Co. $39,133, and 0.819 mi. Sect. "K", etc. Ohio River Rd., Washington Co., $23,847.

O., Akron—Aug. 8, by W. F. Peters, dir. Pub. Serv., paving, etc. 40,000 sq.yd. Firestone Blvd. N., Whittier, Rhodes and Delia Aves., East South, Bowery and Princeton Sts. E. A. Kemmler, highway engr.

O., Cincinnati—Aug. 5, by Comrs. Hamilton Co., curbing, walks and 10 in. concrete paving 57,600 sq.yd. Montgomery Rd. $311,783. E. A. Gast, Court House, engr.

O., Lyndhurst (br. Cleveland) — Taking bids walks and paving, etc. Haversford Dr. and Evanston Rd. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ind., Bloomfield—Aug. 9, by Auditor Greene Co., concrete paving W. G. Roth Rd. $34,541, and J. D. Myers Rd. $4,517, both Jefferson Twp.; also graveling E. Gambill Rd., Wright Twp., $24,520.

Ind., Brazil—Aug. 2, by Comrs. Clay Co., graveling Critchfield Rd. $16,908, and Roger Rd. $9,511, both Lewis Twp.

Ill., Galesburg—Aug. 2, by Bd. Local Impvts., grading, vitr. brick on 4 in. concrete paving, etc. 9,920 sq.yd. Arnold St. $40,079. A. L. Richey, Galesburg, engr.

Ind., Goshen—Aug. 4, by Bd. Comrs. Elkhart Co., Court House, grading and concrete paving, etc., 3,892 ft. S-4 Emanuel Rohrer et al Rd. $18,500; and 14,000 ft. County Unit Rd. 5 $66,000, both in Harrison Twp.

Ind., Greencastle—Aug. 2, by Comrs. Putnam Co., Court House, grading, emulsified asphalt paving, etc. Paul F. Cook et al Highway, $129,264 and Walter S. Campbell et al Highway $29,605, both Marion Twp.; Albert M. Gardner et al Highway, Rullsee Twp., $28,790; J. W. Britton et al Highway, Franklin Twp., $12,656; and Ora M. O. Hair et al Highway, Greencastle Twp., $13,-738. W. D. Lovett, co. aud.

Ind., Kokomo—Aug. 3, by Comrs. Howard Co., graveling Thatcher Rd. $5,761, and Greeson Rd., $15,751, both Harrison Twp.; also Clevenger Rd., Center Twp. $24,078.

Ind., Indianapolis—Aug. 1, by Bd. Pub. Wks., **grading and wooden block, brick,** asphalt or asphaltic concrete paving, etc. New Jersey St. from north property line of 58th St. to south property line 61st St., and Shannon Ave. from north curb line 10th St. to point 62.48 ft. north of north property line 13th St.; Boulevard Pl. from south property line 36th St. to north property line 49th St.; and Talbott St. from south property line Palmer St. to north property line Adler St.

Ind., Kokomo.—Aug. 3, by Bd. Comrs. Howard Co., gravel surfacing, etc. David Greeson Rd. et al., Rd. $15,751, and William H. Thatcher et al, Rd. $5,761, both in Harrison Twp.; also Frank Clevenger et al., Rd., in Center Twp., $54,348.

Ind., Princeton—Aug. 2, by Bd. Comrs. Gibson Co., at office of A. M. Johnson, aud., improving Hays Christmas et al. Rd. $23,-343; and J. R. Montgomery, J. R. Bell et al. Rd. $21,315.

Ind., Rochester—Aug. 6, by Bd. Comrs. Fulton Co., concrete paving Roy Morris et al. Rd. in Henry Twp., $32,285; and constructing William Fernbaugh et al Rd. in Aubbeenaubbee Twp., $30,500. C. V. Leonard, aud.

Michigan—Aug. 2, by C. L. Cowgill, resident engr., Plymouth, concrete paving 0.814 mi. Mo. 82-6, Contr. 4 Wayne Co. 40 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 2, by G. D. Tramp, resident engr., Crystal Falls, 4 in. graveling 11.5 mi. Mo. 42-3, Contr. 4, Keeweenan Co., 18 ft., for State Hy. Dept., Lansing.

Michigan—Aug. 4, by G. D. Tramp, resident engr., Crystal Falls, grading and graveling 7.641 mi. F O 66, 14 C1, Ontonogan Co., 18 ft. for State Hy. Dept., Lansing.

Wisconsin—Aug. 2, by State Hy. Comn., J. R. Reinhardt, Alma, and G. F. Goff, Sparta, highway comrs. Buffalo and Monroe Counties, at Court House, La Crosse, grading etc. 26,981 cu.yd. Wilton-Norwalk Rd., State Project 5848, Monroe Co., and constructing Meyers Bridge on same Rd., State Job B-5770; also grading and shale surfacing 4,728 cu.yd. Mondovi-Eleva Rd., State Project 5875, Buffalo Co., and constructing Goss Bridge on same road, Job B-5745. T. M. Reynolds, div. engr.

Wis., Hudson—Aug. 1, by G. R. Hosford, city clk., grading, paving, etc. approximately 14,542 sq.yd. various streets. L. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr.

Ia., Allison—Aug. 1, at office Auditor Butler Co., graveling, etc. 17,575 cu.yd. Project 5. D. W. Burch, Allison, co. engr.

Ia., Atlantic—Aug. 2, at office Auditor Cass Co., grading, etc. 13,000 cu.yd. road. Address County Engineer.

Ia., Idagrove—Aug. 2, at office Auditor Ida Co., grading, etc. 102,500 cu.yd. Ida Grove-Schleswig Rd. G. W. Witters, Idagrove, co. engr.

Ia., Newton—Aug. 2, at office Auditor Jasper Co., graveling 4 mi. road, incl. 3,200 cu.yd. gravel f.o.b. cars, and 4,600 half mile haul units; also grading 16,000 cu.yd. Sully-Kilduff Rd. Address County Engineer.

Ia., Sioux City—Aug. 2, at office Auditor Woodbury Co., graveling, etc. 6.68 mi. road extending from Moville south. J. C. McLean, Sioux City, co. engr.

Ia., Spencer—Aug. 1, at office Auditor Clay Co., grading, etc. 121,315 cu.yd. primary secondary road. F. Campbell, Spencer, co. engr.

Minn., Waseca—Aug. 16, by H. A. Panzram, aud. Waseca Co., grading, etc. 78,000 cu.yd. State Road 12, Job 2702; and 90,000 cu.yd. State Road 22, Job 2709. $40,000.

N. D., Minot—Aug. 8, by G. A. Reishus, city aud., various types paving, approximately 12 blocks streets in Paving Dists. 19, 20, 22 and 23. $54,000. W. W. Peterson, city engr.

Washington—Aug. 9, by State Hy. Comn., Olympia **(S.R. means State Road)**, grading approximately 1.8 mi. S.R. 12, Pacific Co. and 4.8 mi. same road, Lewis Co.; crushed graveling approximately 24.7 mi. S.R. 5, Lewis Co.; also widening and concrete patching 3 mi. S.R. 1, Skagit Co. S. J. Humes, Olympia, state highway engr.

California—Aug. 8, by State Hy. Comn., Sacramento, grading 21.3 mi. roadway between Coso Junction and Olancha, Inyo Co.; also grading and concrete paving 5.7 mi. roadway between point 1 north and point 5.7 mi. north of Galivan, Orange Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Los Angeles—Aug. 8, by Bd. Supervs. Los Angeles Co., grading, curbing, guttering and 4 in. waterbound macadam on oil and rock surfacing 341,762 sq.ft. Kendrick Ave. et al. $72,444. G. W. Jones, Hall of Records, engr.

Calif., Redwood City—E. M. Kneese, clk. San Mateo Co., taking bids and open same about Aug. 1, curbing, guttering and 2 in. Durite asphaltic concrete on waterbound macadam paving, etc. Rio Verde, Acacia and Oriente Sts., etc. To exceed $25,000. G. A. Kneese, Redwood City, co. surv.

Calif., Sacramento—H. Hall, clk. Sacramento Co., taking bids asphaltic macadam paving 1½ mi. Rio Linda Rd., 16 ft. C. Deterding, Jr., Sacramento, co. surv.

Calif., Stockton—A. L. Banks, city clk., taking bids curbing, walks and 2½ in. asphaltic concrete on 2 in. gravel paving, etc. 133,672 sq.ft. Bungalow Park, Broschi Tract, et al. To exceed $60,000. W. B. Hogan, city engr.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, W. F. Williams, comr. bituminous macadam paving 3,550 ft. highway in Braintree, to E. C. Sargent, Quincy $25,470. 12,872 ft. in Monson, to New Haven Road Constr. Co., 20 Hill St., New Haven, Conn., $106,-870. 10,149 ft. highway in Amesbury and Salisbury to J. E. Watkins, Amesbury $61,678, and 3,395 ft. in Dover and Medfield, to E. O'Toole, Westwood $21,024; rein.-con. paving 5,250 ft. in Taunton to J. McCormick, Seekonk, $52,196; and concrete paving in Gay Head, to Carr & Russell, 18 Phillips St., Greenfield, $10,425. Grand total $277,663. Noted June 30.

Mass. Boston—Dept. Pub. Wks., sheet ashalt or bitulithic paving Brookline Ave., Wards 4 and 10, to H. F. Malley, 96 Tyndale St., Roslindale, $51,968. Noted June 30.

Mass., Braintree (Ind. br. Boston)—Bd. Selectmen, Town Hall, sheet asphalt resurfacing Union St., to E. G. Sargent, 89 Canal St., Quincy, $43,370.

Mass., Cambridge (Boston, P. O.)—Metropolitan Dist. Comn., Boston, grading and surfacing Northern Traffic Artery, from Broad Canal to Lechmere Sq., here, to J. H. Fannon, 39 Powder Hose Terrace, Somerville, $125,574. Noted July 21.

Mass., Hudson—City will pave with bituminous macadam Shawmut Ave., by day labor. $25,000. Woodbury & Parker, Hudson, engrs.

New York—A. W. Brandt, comr. Highways, Albany **(e. e. means engineers estimate)** improving 0.98 mi. County Rd. 48-A Creek Rd.; Niagara Co., to Ingersoll & Barhite, Medina, $45,966 e.e. $57,697; 5.89 mi. Middle Falls-South Argyle Rd., Highway 1759, Washington Co., to L. Longhi & Son, 42 Calhoun St., Torrington, Conn., $238,159 e.e. $315,516; 9.89 mi. Highway 807, Waldo Corners-North Pharsalia-Kirk Rd., Chenango Co., to Belmar Contg. Co., Proctor Bldg., Troy, $394,526 e.e. $534,235; 9.19 mi. Catskill-South Cairo, Highway, 613, South Cairo-Cairo, Highway 887, Cairo Hamlet Rd., Green Co., to Troy Paving Co., Gay Bldg., Troy, $428,316 e.e. $599,798, 10.19 mi. Highway 8283 Corfu-Batavia Rd., Genesee Co., to H. L. Mack, Ellicott Sq. Bldg., Buffalo, $480,261 e.e. $634,292; 5.46 mi. Highway 1764, Wellsburg-Waverly Rd., Part 1, Chemung Co., to Bolton Suits & Bolton, Watkins Glen, $294,484 e.e. $388,999.

N. Y., Albany—Bd. Contr. & Supply, City Hall, to F. Sheehan, Inc., 446 Yates St., improving Austain Ave. $17,904, Watervliet Ave. $117,834. Roosevelt St. $17,358, and West Lawrence St. $9,223; to J. J. Rigney, 339 Columbia St. Rensselaer, Bertha St. $7,147; to S. B. Easton, 47 Fairlawn Ave., Clermont St., $24,258; to Campion Constr. Co., Inc., 776 Bway., Hart St., $19,580; to C. A. McManus, 93 Morris St., Leedale St., $17,349; and to M. F. Dollard, 36 State St., 2nd St., $121,854; Grand total $352,507. Noted June 16.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Carberry Block Corp., 186 Remsen St., bituminous macadam paving East 51st St $9,656; to Castle Bros., Johnson Pl., grading, etc. Bedford Ave., $2,991, and East 12th St. $1,536, to C. R. Contg. Co., 2266 Gravesend Ave., Avenue U $1,039, to W. J. McHale Contg. Co., 1250 Jefferson Ave., East 8th St. $3,676, to F. De Vito & Co., 158 17th St., 16th Ave. $1,821, to M. A. Zappone, 1442 72nd St., 16th Ave. $3,894, and to G. M. Mandato, 201 Neck Rd., 72nd St. $3,787; to Highway Impvt. & Repair Co., Furmans Island, sheet asphalt paving Alabama Ave. $7,213, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Brooklyn Ave. $8,895, Kingston Ave. $5,-597, and Winthrop St. $5,091, to Cranford Co., 52 9th St., East 5th St. $8,973, and East 5th St. $10,074, to D. J. McCoy Asphalt Co., Avenue U and East 57th St., East 31st St. $16,140; and Flatlands Ave. $10,352, also to B. Turecamo, 8706 Bay 12th St., 77th St. $15,959, and 80th St. $9,607. Grand total $126,301. Noted June 23.

N. Y., Brooklyn—J. J. Byrne, pres., Brooklyn Boro, Boro Hall, sheet asphalt paving various streets, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $30,450; asphalt repaving Navy St. Park, to Highway Impvt. & Repair Co., Furmana

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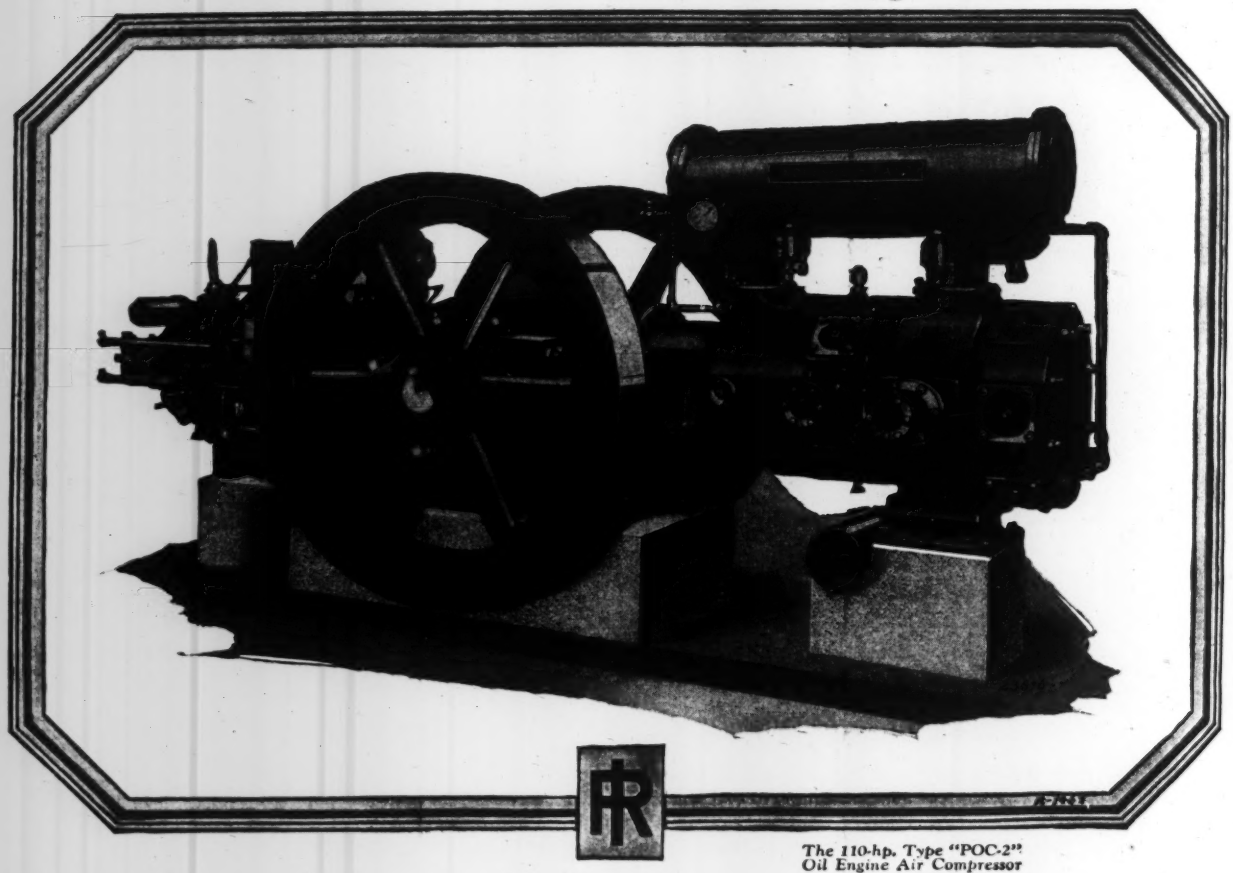

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Streets and Roads (Continued)

Island, $44,868; cement sidewalks on New Utrecht Ave., to F. Persicano, 350 Fulton St., $789; also grading and constructing culvert on Stillwell Ave., to B. Turecamo, 8706 Bay 12th St., $25,874. Grand total $101,981.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading East 157th St., to F. Mascallo, 2550 Colden Ave., $2,770, and Burr Ave., to I. F. Cavaluzzo, 1300 Cromwell Ave., $13,176; grading and sheet asphalt paving Colden Ave. to Gaffney Constr. Co., Storey and Hermany Aves., $19,855, and in Taylor Ave., to Asphalt Constr. Co., 2197 Madison Ave., $116,558. Grand total $152,359. Noted July 7.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete repaving Washington Pl. from Washington Sq. E. to Bway., to Uvalde Asphalt Paving Co., 1 Bway., $29,694. Noted July 7.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, granite block paving Richmond Terrace, to Colgan Contg. Co., 90 Williams St., New York City, $56,750; bituminous concrete paving Hannah St., and Forest Ave. etc., to J. Donovan Paving Co., 2205 Richmond Terrace, Port Richmond, $5,125 and $39,915 respectively. Grand total $101,790. Noted July 7.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, to Rago Bros., Union Bldg., paving Harold St. $15,130, Hood St. $30,963, and Kuhl Ave. $14,971; to G. Dickinson, Union Bldg., widening and resurfacing Montgomery St. $19,157. Grand total $80,221.

N. J., Elizabeth — Union Co., paving Michigan and Faltoute Aves., to Elizabeth Paving Co., 715 Elizabeth Ave., $91,601; and Martin St., Fanwood, to Weldon Contg. Co., Westfield, $8,918.

Pennsylvania—State Hy. Comn., Harrisburg (**A. means Application and R. Route**), rein-concrete on bituminous treated macadam paving, etc. 8,000 sq.yd A.4710, Erie Co., to C. H. Fry Constr. Co., Erie, $47,772; rein.-con. paving, etc. 20,902 sq. yd. A.4568-69-70 and 71, Berks Co., to W. Sheidy, Wyomissing $105,668; bituminous treated surfacing 33,976 sq.yd. A.4285, Bucks Co., to J. M. Hutchinson, $91,689; constructing 1,127 ft. arch bridge on R. 105-5, Clinton Co., to Concrete Steel Bridge Co., Clarksburg, W. Va. $299,532; two 70 ft. through plate girder span bridge on R.20, Lycoming Co., to A. W. Hinaman, Williamsport, $43,268; and 133 ft. through steel truss bridge on R.19, Lycoming Co., to A. C. Bailey, Philipsburg, $31,486. Grand total $619,415. Noted June 9.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, relaying existing granite blocks on concrete (bituminous mastic filler) paving 4,484 ft. Broad St. between Noble and Stiles Sts., 69 ft.; and temporary repaving approximately 19,500 sq.yd. Broad St., between Filbert and Callowhill Sts., Broad Street Subway Contr. 169, to Union Paving Co., 30ht and Locust Sts., $172,155.

Del., Dover—Town Council, 26,069 ft. 8- to 24-in. vitr. sewerage system, to George & Lynch, Dover, $58,054. Noted May 19.

W. Va., Charleston—Kanawha Co., grading, etc., 3.9 mi. Point Creek Rd., to H. Miller, Madison, Wis., $35,060. Noted June 30.

W. Va., Logan—Island Creek Coal Co., A. R. Beisel, genl. mgr., concrete surfacing 7 mi. between Operations 21 and 22, 16 ft., to P. C. Minotti Constr. Co., Logan, $180,000.

W. Va., Pineville—Wyoming Co., grading, etc. road from Herndon to Mercer-Wyoming Co. line Rd., to Brown, Murphy & Wright Constr. Co., Princeton, $105,000.

Florida—State Road Dept., Tallahassee, improving Project 680, and Project 681, both Alternate 1, to Johnson, Drake & Piper, Natl. Soo Line Bldg., Minneapolis, Minn., $753,992 and $1,018,151 respectively; Projects 764 and 765, to F. W. Simpson, $50,665 and $27,663 respectively; Project 677-A, to Duval Eng. Co., Dyal Upchurch Bldg., Jacksonville, $80,589; Project 53-B, to W. J. Bryson. 239 West Adams St., Jacksonville, $87,665; Project 719, to C. G. Kershaw, $36,687 and Project 53-B, to Amer. Bridge Co., 30 Church St., New York City, $14,974. Grand total $2,070,386. Noted June 16.

Miss., Greenwood — Bd. Supervs. Le Flore Co., grading, curbing, paving, etc., 21,119 sq.yd. Federal Aid Project 195-A, to S. K. Jones Constr. Co., Cotton Exch. Bldg., Memphis, Tenn., $53,054. Noted June 9.

Miss., Ittabena—Grading, curbing, guttering and brick on concrete paving 10,500 sq.yd. various streets, to Merrell Eng. Co., Jackson, approximately $25,000. Noted June 16.

Miss., Vicksburg—Warren Co., rock asphalt surfacing, etc. 15, 315 sq.yd. National Cemetery Rd., to Merrill Constr. Co., Jackson, $42,947. Former contract rescinded. Noted Mar. 24.

La., Covington—St. Tammany Parish, grading and graveling 17 mi. District 2, Sub District 2, between Pearl River and Slidell, to Hoffman & Jones, Covington, $45,458.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, improving Project 78-B, Hamilton Co., to Jamison Bros., High Point, N. C. $103,260, Project 80-A, Davidson Co., to Pitts Bros., Mt. Pleasant $97,157, Project 211, Polk Co., to J. E. Pryor & Co., Covington $298,850, Project 212, McNairy Co., to Cresap Bros., Humboldt $99,715, Project 342-C and D, Houston Co., to Neal Constr. Co., Donelson $49,719, Project 354-A, Smith Co., to R. E. Martin, Ripley $151,505, Project 356-A, Hamilton Co., to Bender, Beckham & Crox, Chattanooga $39,689. Grand total $839,895. Noted June 16.

Tenn., Lebanon—Concrete paving 3 mi. various streets, to J. L. Humbard Constr. Co., Tennessee General Bldg., Knoxville, $129,718. Engrs. est. $150,000.

O., Cleveland — Cuyahoga Co., curbing, guttering and vitr. brick paving 49,970 sq. yd. Prospect Rd., to N. Siegel, 1668 Eddington Rd., $104,431; also 35,200 sq.yd. East 200th St., to F. B. Stein, Euclid, $221,302.

O., Cleveland—Cuyahoga Co., paving, etc. East 131st St., and curbing, guttering, and lake asphalt paving Green Rd., to Highway Constr. Co., Guarantee Title Bldg., $45,446 and $188,111 respectively; also Amiesite repaving, North Woodland Rd., to Cleveland Trinidad Paving Co., Western Reserve Bldg., $50,607.

O., Jackson—R. W. Jenkins, clk. Jackson Co., grading and brick paving 0.586 mi. Vaughn, Huron and Bennett Sts., 20 ft., to I. J. Kuhner, Jackson, $28,269. Noted June 16.

O., Maple Heights (br. Cleveland)—Paving, etc. Dalewood, South, Stanley, Benhoff and Fernway Aves., to Enterprise Paving & Constr. Co., 8444 Bway., $86,740. Noted June 9.

O., Sebring—Asphalt on concrete paving etc. Ohio Ave., to General Asphalt Paving Co., Witters Bldg., Cleveland Ave., Canton, $84,096. Engrs. est. $85,000.

Michigan—State Hy. Dept., Lansing, 2 in. bituminous concrete paving 54,000 sq.yd. MO28-19, C. 1, T. L. 13-81, Grand Traverse Co., to W. B. Chalmers, 232 Ottawa St., Grand Rapids, $87,095.

Michigan—State Hy. Dept., Lansing, 2 in. bituminous concrete paving 65,000 sq.yd. MO83-14, C. 1, T. L. 13-82, Wexford Co., to W. B. Chalmers, 232 Ottawa St., Grand Rapids, $103,575.

Illinois—State Hy. Comn., Springfield, paving Route 8, Sect. 46 S, Knox Co., to Cameron-Joyce & Co., Keokuk, Ia., $31,569; and constructing bridge on Route 95, Sect. 119-B, McDonough Co., to H. C. Holmes, McComb, $18,927.

Ia., Albia—Monroe Co., to Dillarton & Elliott, Bussey, improving Primary Project 482, 81,290 cu.yd. excav. at $0.356 per cu.yd., 100 cu.yd. loose rock at $1.25, 100 cu.yd. solid rock at $2.50, 69,000 sta.yd. overhaul at $0.02, and 940 ft. culvert labor at $0.35.

Ia., Anamosa—Auditor Jone Co., 1,850 ft. guard rail, etc., on County Rd. System, to Connor & Lee, Hampton, at $0.23 per ft.

Ia., Centerville—Appanoose Co., improving 5.114 mi. Primary Project 496, 86,886 cu.yd. excav., 45,600 sq.yd. overhaul, etc., to Cameron-Joyce Constr. Co., Keokuk, $35,615, grading and 6 in. concrete paving, etc. 20,250 sq.yd. Primary Project 535 and 30,910 sq.yd. Primary Project 534, to Keokuk Quarry & Constr. Co., Keokuk, $55,060 and $132,575 respectively. Grand total $223,249.

Ia., Clinton—Clinton Co., to M. & S. Constr. Co., Sioux City, improving roads, 71,123 cu.yd. earth and channel excav. at $0.24 per cu.yd., 680 cu.yd. loose rock $1, and 1,365 cu.yd. solid rock $2.50. Noted June 16.

Ia., Dubuque—Grading 11.14 mi. U. S. Highway 61, to S. J. Groves & Sons Co., Globe Bldg., Minneapolis, Minn., $149,800.

Ia., Forest City—Winnebago Co., to Ehling & Snyder, Charles City, improving Project 397, 1,560 cu.yd. gravel 1 mi. haul, at $0.48 per cu.yd., 13,260 units ½ mi. haul $0.085, and 200 cu.yd. stripping $0.25; to A. N. Styve, Lake Mills, improving Project 120, 2,796 cu.yd. gravel material $0.15 and $0.205. 2,916 cu.yd. gravel 1 mi. haul $0.48, 27,300 units ½ mi. haul $0.085, and 400 cu.yd. stripping $0.25.

Ia., Iowa City—Grading, curbing, guttering and 6 in. concrete and 2½ in. brick on 6 in. concrete paving 17,950 sq.yd. various streets to Horrabin Contg. Co., Iowa City, $55,208. Noted June 30.

Ia., Mason City—Grading, curbing and rein.-con., 6,942 sq.yd. 15th and South Quincy Sts., to Wilson Constr. Co., Mason City, $18,051. Noted Mar. 24.

Ia., Mediapolis—Grading, curbing, guttering and paving 11,304 sq.yd. various streets, to Korneman Bros., Muscatine, $25,341. Noted June 9.

Ia., Nevada—Story Co., to Moore & Eldridge, Clemons, improving Secondary Dists. 37, 39, 47 and 50, 203,250 cu.yd. ½ mi. haul at $0.065 and $0.075 per cu.yd. 1,850 cu.yd. stripping at $0.20 and $0.25, 8,000 cu.yd. gravel complete $1.60 and $1.90.

Ia., Sioux City—Concrete paving 600 sq.yd. alley, to W. A. Klinger, 517 Warnock Bldg., at $2.28 sq.yd.; 5,830 sq.yd. 27th and Morgan Sts., to P. C. Hansen, 1422 Court St., $1.99 and $2.14; 13,820 sq.yd. South Coral, Glenn and South Glass Sts., to Booth & Olson, 318 Grain Exch. Bldg., $2.07 and $2.11; 3,900 sq.yd. 3 alleys, West Horn and Indiana Sts., to Harrington & Jorgensen, 3900-6th Ave., $1.96 to $2.07; and 4,570 sq.yd. 6th and 32nd Sts., to Jensen & Krage, 205 Metropolitan Bldg., $2.12 and $2.48.

Ia., Sioux City—Paving 29,197 sq.yd. Riverside Blvd., Riverside Dr., La Plante and Florence Aves., to Western Asphalt Paving Corp., 2100 East 4th St., at $2.18 per sq.yd. Noted July 7.

Minn., Carlton—Grading, macadam and crushed rock surfacing 1.5 mi. new road from Fond du Lac to Charlton, 30 ft., to C. R. McLean, 515 South 21st Ave. E., Duluth, $37,496.

Minn., Duluth — City Comrs., curbing, sidewalks and concrete paving 17,812 sq. yd. 57th Ave. W., to J. W. Salo Contg. Co., 1215 East 11th St., $53,253. Noted May 5.

Kan., Leavenworth — Leavenworth Co., grading, etc., 7.972 mi. Project 41-F, to A. A. Davis & Co., 1001 Commerce Trust Bldg., Kansas City, Mo., $67,960; also 8.097 mi. Sect. D and 0.962 mi. Sect. E. Project 1, to Lamoreaux Bros., 418 Peters Trust Bldg., Omaha, Neb., $66,511 and $5,202 respectively. Grand total $139,673.

Kan., Manhattan — Riley Co., to A. A. Davis & Co., 1001 Commerce Trust Bldg., Kansas City, Mo., concrete paving Federal Aid Project 327, 2.724 mi. Sect. C $58,900 3.79 mi. Sect. D $108,774 and 0.547 mi. Sect. E $14,908, also 4 bridges on same project Sect. D, to V. E. Almgren, Manhattan, $21,763. Grand total $204,345. Noted June 9.

Kan., Marion—Marion Co., grading and bridging, etc., Federal Aid Project 217-A, to R. K. Walters, $34,803.

Kan., Osborne—Osborne Co., grading, etc. 10.482 mi. Federal Aid Project 371-A, also 6 bridges on same project, to Hall-Hardman Constr. Co., Alton, $47,169 and $16,170 respectively. Noted June 9.

Neb., Gordon — Warrenite-bitulithic approximately 22,500 yd. paving Federal Aid Project 223-B Dist. 1, to Allied Contractors, Inc., 1803 Douglass St., Omaha, $57,187. Noted June 9.

Neb., Lindsay—P. Schad, city clk., grading, curbing, guttering 2½ or 3 in. brick on concrete, 6 or 7 in. concrete or vibrolithic concrete, asphaltic, concrete or bitulithic paving 12,200 sq.yd. Paving Dist. 1, to Booth & Olson, 318 Grain Exch. Bldg., Sioux City, Ia., $35,500.

N. D., Fargo—Concrete paving approximately 47,900 sq.yd. various streets in Paving Dist. 188-27, to S. Birch & Sons, 211 Front St., $161,187. Noted June 16.

Tex., Beaumont—Grading, curbing, guttering, 1 in. asphalt on 5 in. concrete paving 6 blocks Royal St., to Uvalde Rock Asphalt Co., Beaumont, $40,778.

Tex., Harlingen—Asphalt and hard paving 40,000 sq.yd. various streets, to F. P. McElwrath, Wichita Falls, approximately $60,000.

N. M., Clovis—Concrete and asphalt paving 84,750 yd. various business and residential streets, to New Mexico Constr. Co., Albuquerque, $248,000. Noted May 5.

Wash., Port Angeles—Guttering, grading and 33,152 lin.ft. sidewalk on Lincoln and 8th Sts., et al, to Gaul & Nylander, Shelton, $33,000.

Calif., Hawthorne—S. V. Fraser, city clk., grading and asphaltic concrete paving, etc. Wilbur Ave., to G. H. Oswald, 366 East 58th St., Los Angeles, $67,606. Noted July 7.

Calif., Inglewood—Improving Eucalyptus Ave., to J. L. McLain, 3452 West Slausson Ave., Los Anegeles, $37,045.

Calif., Richmond—A. C. Faris, city clk., to C. H. Brown, 220 South 12th St., improving Dunn and Rhemm Aves., etc., 104-988 sq.ft. 5 in. asphalt on 4 in. broken rock paving at $0.26 per sq.ft., 117,466 sq.ft. 4 in. asphalt on broken rock paving $0.22, etc., total $73,960. Noted June 30.

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Streets and Roads (Continued)

Calif., San Diego—Walks, concrete and asphaltic concrete paving, etc., Texas St., etc., to V. R. Dennis Constr. Co., 3843 Park Blvd., $139,789.

Ontario—Essex Co. (Leamington) grading and rein.-con. paving 2 mi. road from Leamington and Kingsville, 20 ft., to Cadwell Sand & Gravel Co., 228 Sandwich St. W., Windsor. Engrs. est. $45,000.

Ont., Bothwell—Grading, and asphaltic macadam paving 15,000 sq.yd. Main St., to Merlo, Merlo & Ray, Sandwich St., Ford. Engrs. est $50,000.

Ont., Toronto—Will grade and pave with sheet asphalt 16,000 sq.yd. new entrance to exhibition park, Strachan Ave., by day labor. $68,500. R. C. Harris, City Hall, engr.

British Columbia—Dept. Pub. Wks., Victoria, grading and gravel surfacing cut off road from Fraser River to Stave Falls, to General Constr. Co. Ltd., Vancouver Blk., Vancouver, $32,000; and bridge over Stave River, to Fraser River Pile Driving Co., 150 Front St., New Westminister, $23,000.

B. C., Prince Rupert — Minister Pub. Wks., Victoria, gravel surfacing, etc., 4.5 mi. Prince Rupert Highway, 14 ft., to Vancouver Pile Driving & Contg. Co., Dominion Bldg., Vancouver, $124,000. Noted June 16.

B. C., Vancouver — Asphaltic concrete paving 11 blocks street car track allowance and repairing existing side pavements on Broadway W., 16 ft., to General Constr. Co., 736 Granville St., $43,342. C. Brackenridge, City Hall, engr.

B. C., West Vancouver—Asphaltic concrete and asphaltic macadam paving 15,000 sq.yd. various streets, to Ellis-Cotton Co. Ltd., False Creek Yards, $45,000.

Buildings—Commercial

Proposed Work

Mass., Boston—FIRE STATION—Fire Dept. plans central fire station, Bulfinch and Cambridge Sts. $350,000. Engineer and architect not selected.

Mass., Boston — HOSPITAL — Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., soon lets contract 11 story and basement, 45 x 150 ft., brick and steel, concrete foundation, Fruit St., for Massachusetts General Tospital, $1,000,000. Noted May 5.

R. I., Providence—GARAGE—J. Conn., c/o T. J. H. Pierce, Inc., archts., 30 Allens Ave., having plans prepared rein.-con., Chestnut and Broad Sts.

Conn., Bridgeport—GARAGE and REPAIR SHOP—Schnee & Schnee, 1115 Main St., had plans prepared by E. B. Caldwell, Jr., 886 Main St., 4 story, rein.-con., Middle St. $300,000.

Conn., Bridgeport — GARAGE and SHOWROOM — Packard-Bridgeport Motors, Inc., 170 Cannon St., plans 1 story, 100 x 225 ft., steel, tapestry brick and concrete, Fairfield Ave. $175,000. Engineer and architect not selected.

Conn., New Haven—HOTEL—Central Hotel Co., W. Lee, pres., 246 Meadow St., plans 12 story, brick and steel, Meadow and Congress Sts. To exceed $1,000,000. Engineer and architect not selected.

Conn., Stamford — APARTMENT — Owner, c/o G. F. Smith, 433 Main St., had plans prepared by W. Schmitz, 175 Greenwich Ave., 3 story, 70 x 80 ft., brick and steel, Prospect St. $175,000.

Conn., Stratford — TEMPLE — Masonic Templ. Assn., Main St., having plans prepared by C. W. Walker, 1115 Main St., Bridgeport, 3 story and basement, brick, stone and steel, Main St. $150,000.

N. Y., New York—APARTMENT HOTEL—One Park Avenue Corp., 1 Park Ave., having plans prepared by Farrar & Watmough, 1 Park Ave., 15 story, 80 x 89 ft., brick and steel, plain foundation, 116-122 East 39th St. $500,000.

N. Y., New York—CLUB—Explorers Club, 47 West 76th St., having preliminary plans prepared by C. E. Birge, 29 West 34th St. 10 story and basement, 50 x 100 ft., brick, steel and stone, Cathedral Parkway. To exceed $500,000.

N. Y., Scarsdale—HOTEL—Equity Scarsdale Corp., 285 Madison Ave., New York City, having plans prepared by Jardine, Hill & Murdock, 347 Madison Ave., New York City, 4 story, brick, steel and stone, plain foundation, Crane Rd. and East Parkway, here $2,000,000.

N. J., Camden—HOSPITAL and NURSES' HOME — City plans addition. $500,000. Edwards & Green, 548 Federal St., archts.

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N. J., East Orange — APARTMENT — V. Altiere, c/o R. Bottelli, archt., 45 Branford Pl., Newark, having plans prepared, 4 story, 75 x 160 ft., brick and steel, plain foundation, Washington St. $150,000.

N. J., East Orange — APARTMENT — Feldman & Pivnick, Inc., c/o R. Bottelli, archt., 45 Branford Pl., Newark, having plans prepared, 4 story and basement, 60 x 140 ft., brick and steel, plain foundation, 240 North Grove St., here. $150,000.

N. J., Jersey City—BANK—C. H. Ziegler, archt., 75 Montgomery St., soon lets contract, general contract 1 story and basement, 35 x 100 ft., brick and steel, plain foundation, Jackson Ave., for Union Trust & Hudson Natl. Bank, 75 Montgomery St. $150,000. Noted May 5.

N. J., Newark—APARTMENT—M. Shapiro, c/o R. Bottelli, 45 Branford Pl., archt., having plans prepared 5 story, 100 x 120 ft., brick and steel, plain foundation, Elizabeth and Porter Aves. $150,000.

N. J., Newark—APARTMENT—A. Marcus, 261 Lehigh Ave., having plans prepared 4 story, 75 x 125 ft., brick and steel, plain foundation, 17-21 Elmwood Pl. $150,000. Private plans.

N. J., Perth Amboy—APARTMENT—D. Lerner, c/o N. Weletoff, archt., 3010 Hudson Blvd., Jersey City, having plans prepared 5 story, 75 x 100 ft., brick and steel, plain foundation, 88 Clifford Ave., here. $150,000.

Pa., Media—APARTMENT—H. Dreyman having plans prepared by J. C. Norton, Ardmore, 4 story and basement, 30 x 150 ft., brick and steel, plain foundation. $150,000.

Pa., Phila.—THEATRE—Lee and J. J. Shubert, 225 West 44th St., New York City, having plans prepared by H. J. Krupp, 2 West 47th St., New York City, 1 story, 105 x 142 ft., brick, stone and steel, plain foundation, Walnut and Quince Sts. $400,000. Noted June 16.

Pa., Phila. — APARTMENT — Rehfuss & North, archts., 1709 Sansom St., soon lets contract 6 story and basement, 46 x 172 ft., rein.-con., brick, steel and terra cotta, plain foundation, 54 North Chelton St., for T. B. J. Branagan, 2411 North Broad St. $250,000.

Pa., Phila. — GARAGE — E. A. Roth, archt., Drexel Bldg., soon lets contract 2 story and basement, 40 x 180 ft., rein.-con. and brick, plain foundation, 27-31 South 4th St., for A. Winegard, c/o architect.

Pa., Phila. — COMMERCIAL — Belber Realty Co., c/o L. Freedman, 251 South 15th St., plans 6 story and basement, 40 x 120 ft., rein.-con., brick and steel, plain foundation, 2016-18 Chestnut St. Engineer and architect not selected.

Va., Richmond — EXCHANGE — Chesapeake & Potomac Telephone Co., 709 East Grace St., plans expending $282,700, for system additions and improvements, incl. exchange building.

O., Akron—HOSPITAL—Good & Wagner, archts. and engrs., Mohawk Bldg., takes bids in fall, 8 story, 46 x 180 ft., brick, steel and stone surgical building addition, East Market St., for Trustees City Hospital. $800,000.

Ind. Indianapolis—APARTMENT,—T. D. Smith, 1209 Merchants Bank Bldg., takes bids about Aug. 1, 8 story nad basement, rein.-con. and brick, 16th and Pennsy Sts. $225,000. W. E. Russ, Meridian Life Bldg., archt.

Ill., East St. Louis—HOTEL and APARTMENT, etc.—C. E. Richardson et al., International Life Bldg., St. Louis, Mo., postponed indefinately construction 2 rein.-con., brick and terra cotta buildings one for hotel and apartment and other for stores and offices, 10th and State Sts. Noted Jan. 21, 1926.

Ia., Des Moines—HOSPITAL—Polk Co. having preliminary sketches made by Proudfoot, Rawson & Souers, Hubbell Bldg., hospital. $150,000.

Ia., Keokuk—HOSPITAL—Methodist Protestant Hospital Assn., M. C. Jackson, local surt., having plans prepard by M. J. Geise, Y.M.C.A. Bldg., Keokuk, 4 story and basement, 98 x 150 ft., rein-con. and brick hospital. $400,000.

Minn., Minneapolis—HOSPITAL—Estate Building Co., c/o W. Wolfson, 315 Girard Ave. S., having plans prepared by C. J. Bard, 838 Builders' Exch. Bldg., 12 story and basement, with 8 or 10 story tower, rein.-con., brick and terra cotta, 10th St. and 3rd Ave. S. $1,500,000.

Mo., Columbia—HOTEL and THEATRE—Tiger, Inc., c/o W. E. Smith, soon takes bids 9 story and basement, 82 x 142 ft., rein.-con., brick and stone, South 8th St., between Bway. and Cherry St. $500,000. A. H. Gentry, March Bldg., Kansas City, archt. archt.

Tex., Houston—WAREHOUSE—Texas Terminals, Inc., c/o J. R. Cheek, having plans prepared for 10 story, 250 x 500 ft., and 7 story, 50 x 250 ft., Main St. Viaduct. $3,600,000. Moores & Dunford, 110 East 42nd St., New York City, N. Y., engrs.

Tex., Houston—BANK and OFFICE—San Jacinto Trust Co. c/o G. Howard, pres., Humble Trust Bldg., soon takes bids 4 story (ultimately 23 story), 60 x 127 ft., rein.-con., stone and steel, Main and Lamar Sts. $200,000. J. W. Northrop, Jr., 615 Kirby Bldg., archt. H. M. Sanford, 2702 Eperson Bldg Engr. Noted July 7.

Tex., La Feria—HOTEL—P. G. Silber & Co., archts., 332 Bedell Bldg., San Antonio, soon take bids 1 story (ultimately 4 story) hotel, incl. theatre, dance and convention hall and swimming pool, near here, for F. Rabb. $200,000. Noted June 2.

Okla., Tulsa — HOTEL — J. C. Crosbie, Central Natl. Bank Bldg., having preliminary plans prepared 12 story and basement, 50 x 150 ft., rein.-con. and steel, plain foundation, 4th and Boston Sts. $400,000. Engineer and architect not selected.

Okla., Tulsa — STORE — D. Hunt, Sr., Kennedy Bldg., had plans prepared 11 story, 75 x 140 ft., rein.-con. and steel top addition, 4th St. $700,000. Engineer and architect not selected.

Wash., Vancouver—HOTEL—Tourtellotte & Hummel, archts., Failing Bldg., Portland, Ore., soon lets contract 5 story and basement, 75 x 100 ft., rein.-con. and terra cotta, plain foundation, 5th and Washington Sts., here, for Vancouver Community Hotel Co. $150,000.

Calif., Glendale—BANK and OFFICE—Dodd & Richards, archts., Brack-Shops Bldg., Los Angeles, preparing revised plans 6 story and basement, 50 x 150 ft., Brand Blvd. and Bway., here, for Pacific South-West Trust & Savings Bank. $250,000 or more. Former bids rejected. Noted Mar. 10.

Calif., Glendale — MASONIC — Glendale Masonic Building Assn. had plans prepared by A. G. Lindley, 410 Amer. Bank Bldg., Los Angeles, 8 story and basement, 64 x 125 ft., rein.-con., Brand Blvd. between Colorado and Harvard Sts. $200,000.

Calif., Los Angeles—OFFICE—Guardian Holding Co., Commercial Exch. Bldg., had preliminary plans prepared by K. Mcdonald, Jr., Spring Arcade Bldg., 13 story and basement, terra cotta and pressed brick, 218-24 South Bway. $750,000.

Calif., Mariposa—RECREATION CENTER—E. G. Lewis, c/o Roth & Parker, archts., 6363 Hollywood Blvd., Los Angeles, having preliminary plans prepared, community center, incl. two 50 x 100 ft. rein.-con. swimming pools, bath house, lockers, dance pavilion, women's clubrooms, etc., here. $200,000.

Calif., Pasadena—THEATRE and OFFICE—F. B. Cole, Los Angeles, having plans prepared by B. M. Priteca & B. Sonnickson, associated archt., 913 Pantages Theatre Bldg., 5 story, 110 x 170 ft. theatre, and, 90 x 116 ft. office section, rein.-con., Hudson St. and Colorado Ave. $500,000. Composition roofing, tile and marble work, etc.

Calif., San Francisco — STORE — I. Magnin Co., Geary St. at Grant Ave., having plans prepared by Bliss & Fairweather, Balboa Bldg., 8 story and basement, rein.-con., Geary St. and Grant Ave. $500,000.

Calif., San Jose — THEATRE and APARTMENT etc.—F. W. Holman, c/o W. F. Gunnison, archt., Shreve Bldg., San Francisco, having preliminary plans prepared 8 buildings, incl. theatre, apartment, garage, etc. all steel, concrete and brick veneer, Alameda and Race Sts. $500,000.

Calif., Santa Monica—HOTEL—H. J. Bordo, 1431 Ocean Ave., plans 13 story, rein.-con. hotel, 1431 Ocean Ave. To exceed $150,000. Engineer and architect not selected.

Que., Montreal—WAREHOUSE—Woodhouse & Co., 79 St. Catherine St. W., having plans prepared by Hutchison & Miller, 86 North Davis St. W., 87 ft. high, 128 x 144 ft., rein.-con. and brick, St. Urbain St. $255,000.

Ont., Toronto—APARTMENT HOTEL—Garden Apartments, c/o N. A. Armstrong & Co. Ltd., archts., 7 King St. E., having plans prepared 12 story and basement, 100 x 204 ft. rein.-con. brick, steel, stone, and tile, incl. stores, cafeteria, ball room, etc., plain foundation, Carlton and Sherbourne Sts. $1,500,000.

Ont., Toronto—APARTMENT HOTEL—Ramsay, Stewart & Co., Northern Ontario Bldg., soon takes bids "Queens Park Plaza," 15 story, 100 x 120 ft., rein.-con. brick and steel, plain foundation, Bloor St. and Avenue Rd. $2,000,000. H. G. Holman, Northern Ontario Bldg., archt. Noted Dec. 30.

Bids Desired

N. H., Laconia—ARMORY—Aug. 2, by Military Dept., State House, Concord, 2 story 85 x 144 ft., brick, steel and rein.-con.

Buildings—Commercial (Continued)

Union Ave. $150,000. W. M. Butterfield, 801 Beech St., Manchester, archt.

Mass., Boston—OFFICE—R. M. Dobbins, 209 Washington St., taking bids altering and constructing 4 story and basement, brick and stone addition, plain foundation, 360 Commonwealth Ave. $150,000. J. W. Beal Sons Co., 185 Devonshire St., archts.

Mass., Cambridge (br. Boston)—APARTMENT—G. E. Giles, Savings Bank Bldg., Central Sq., taking bids 3 story and basement, brick and stone, plain foundation, Bway. near Norfolk St. $150,000. D. T. Cormier, 15 Herbert St., Somerville, archt.

Mass., Chicopee—THEATRE, STORE and OFFICE—See "Contracts Awarded."

Minn., Breckenridge—COURT HOUSE—Aug. 8, by Wilkin Co., C. A. Steffes, aud., 2 story and basement, 72 x 108 ft., rein.-con., brick and stone, court house. $180,000. Buechner & Orth, 500 Shubert Bldg., St. Paul, archts.

Mass., Chicopee—THEATRE and OFFICE—See "Contracts Awarded."

Mass., Dorchester (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Mass., Dorchester (sta. Boston)—HOSPITAL—Boston Home for Incurables, 2049 Dorchester Ave., taking bids 2 story and basement, brick, plain foundation, Dorchester Ave. corner Codham St. $250,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Oct. 7.

Mass., Lexington—STORE and OFFICE—R. M. Aldrich, 60 State St., Boston, taking bids 3 story and basement, 60 x 120 ft., brick and stone, plain foundation, Massachusetts Ave. and Waltham St. $150,000. H. M. Aldrich, 21 School St., Boston, archts. Noted May 5.

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Quincy (br. Boston) — APARTMENT—R. Guida, c/o R. M. Stowell, archt., 184 Boylston St., Boston, taking bids 3 story and basement, 9,000 sq.ft. floor space, brick, plain foundation, Fenno St. To exceed $150,000.

Mass., Roxbury, (Boston P. O.) — APARTMENTS—See "Contracts Awarded."

Conn., Bristol — APARTMENT — See "Contracts Awarded."

Conn., Hartford — TEMPLE — Labor Temple Assn., Inc., C. Hellyar, chn., taking bids 1 and 3 story, 44 x 100 ft., and 62 x 85 ft., brick and steel, Park St. $150,000. F. C. Walz, 407 Trumbull St., archt. Noted May 5.

Conn., Stamford—APARTMENT—Owner, c/o W. S. Schmitz, archt., 175 Greenwich Ave., taking bids 3 story, 80 x 108 ft., brick, steel and cast stone, Glenbrook Rd. $150,000.

N. Y., New York—HOSPITAL—Aug. 1, at office General Medical Superintendent, Bellevue and Allied Hospitals, 415 East 26th St., alterations and additions to Fordham Hospital, Southern Blvd. and Crotona Ave.

N. Y Oneonta—APARTMENT and STORE—Aug. 1, by M. A. Ross, c/o S. G. Puccio, engr., 13 Grand St., 3 story, brick and hollow tile, plain foundation, Main and Fairview Sts.

N. J., Elizabeth—J. F. Jackson, archt., 137 East 45th St., New York City, taking new bids 3 story, brick and steel, plain foundation, Madison Ave., for Y. M. C. A., 1164 East Jersey St. $250,000. Former bids rejected. Poggi & Bragdon, 275 Morris Ave., associated archts. Noted July 14.

N. J., Perth Amboy—PASSENGER STATION—Aug. 3, by New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., general contract 45 x 120 ft. east bound and 12 x 97 ft. west bound passenger stations, here.

N. J., Scotch Plains—HOSPITAL—Aug. 1, by Bd. Freeholders Union Co., Court House, Elizabeth, general contract 2 story and basement, 143 x 245 ft. infirmary, 1 story and basement, 40 x 90 ft. laundry and 2 story and basement, 56 x 80 ft. power house, brick and steel, plain foundation, County Hospital grounds, here. $200,000. Oakley & Son, 1259 Clinton Pl., Elizabeth, archts. Noted July 7.

Pa., Phila.—THEATRE—July 30, by Hodgens & Hill, archts., 150 South 15th St., 1 story, balcony and basement, 101 x 139 ft., rein.-con., brick and steel, plain foundation, 2806-14 North 5th St., for Fineman & Siltzer, c/o architects. $200,000.

Ind., Elkhart—LODGE—Aug. 1, by Moose Lodge, V. Roland, chn., taking bids 2 story and basement, brick and steel, clubhouse, $160,000. H. Miller, 531 Monger Bldg., archt.

Ill., Moline—HOSPITAL—Aug. 3 (extended date), by Hospital Bd., W. E. Taylor, pres., 4 story and basement, 43 x 80 ft., rein.-con., brick and stone addition, 7th St., for City. W. H. Schulze, 610 Peoples Bank Bldg., archt. Noted July 7.

Wis., Stevens Point—HOSPITAL—Aug. 25, by St. Marys Convent, Marshfield, and E. Brietmaier & Sons Co., archts., 1 Natl. Bank Bldg., Milwaukee, 4 story and basement, 60 bed, brick, steel and stone addition, plain foundation. $200,000. Noted Apr. 7.

Mo., Jefferson City—PRISON—See "Contracts Awarded."

Mo., St. Louis—MORGUE—Aug. 16, by Bd. Pub. Serv., 208 City Hall, 2 story and basement, 72 x 113 ft., rein.-con., brick and terra cotta, Clark Ave. $150,000. L. R. Bowen & H. Updike, engrs., and L. R. Bowen & A. Osborn, archts., all 301 City Hall. Noted Mar. 24.

Calif., Sacramento — CAPITOL — State Dept. Pub. Wks., taking bids completing state capitol buildings. $250,000. Weeks & Day, Fniancial Center Bldg., San Francisco, archts. Noted July 14.

Ont., Toronto — APARTMENT — See "Contracts Awarded."

Ont., Toronto—HOSPITAL—Aug. 4, by I. H. Harris, chn. and R. O. Darling, acting secy. Toronto East General Hospital, 2780 Danforth Ave., 3 story and basement, rein.-con., brick and steel, plain foundation, Coxwell Ave. $250,000. J. J. Woolnough, City Hall, archt. Noted July 14.

Ont., Ottawa—HOSPITAL—Aug. 2, by Noffke, Morin & Sylvester, archts., Central Chambers, hospital, Water St., for Ottawa General Hospital. $400,000.

Contracts Awarded

Me., Calais—THEATRE—J. Unobskey & Son, c/o Blackall, Clapp & Whitemore, archts., 31 West St., Boston, 1 story and basement, brick and steel, plain foundation, to R. Walker, Calais. Archts. est. $150,000.

Me., Houlton—COURTHOUSE—Aroostock Co., W. Clark, clk., 2 story and basement, rein.-con., brick and stone, plain foundation, to N. W. Downing, Presque Isle. Archts. est. $150,000. Noted May 12.

Mass., Boston—MERCANTILE—R. M. Bradley & Co., 84 State St., reconstructing, etc., 5 story and basement, 75 x 150 ft., brick and steel, plain foundation, 103-105 State St., to F. B. Curry, 75 East Dedham St. Archts. est. $150,000.

Mass., Boston—STORE and OFFICE—A. F. Goodwin, Hamilton, altering and constructing, 6 story and basement, brick and stone addition, plain foundation, 380 Boylston St., to Joslin & Landry, 107 Massachusetts Ave. Archts. est. $150,000 or more.

Mass., Cambridge (Boston, P.O.)—BANK—Cambridge Trust Co., Harvard Sq., altering and constructing 1 story and basement addition, to E. A. Abbott Co., 3 Park St., Boston. Archts. est. $150,000. Noted June 30.

Mass., Chicopee—THEATRE, STORE and OFFICE—Wernick Bros., 108 Main St., will build 2 story and basement, 65 x 150 ft., brick and steel, plain foundation, Bway. $200,000. Work will be done by separate contracts. G. P. B. Alderman & Co., 316 High St., Holyoke, archts. Noted Apr. 7.

Mass., Dorchester (Boston P. O.)—APARTMENT—J. Sorkin, 63 Moreland St., Roxbury, will build (5 unit) 3 story and basement, brick and stone, plain foundation, Savin Hill Ave. and Francis Park, here. $155,000. Work will be done by separate contracts. Private plans.

Mass., Lynn—APARTMENT — Nason Constr. Co., Orchard Pl., will build 4 story and basement, brick and stone, plain foundation, Lincoln St. $150,000. Work will be done by separate contracts. Private plans.

Mass., Northampton—WARD—Commonwealth of Massachusetts Dept. Mental Diseases, State House, Boston, superstructure for 3 story and basement ward building at State Hospital, here, to D. A. Sullivan & Son, 78 Main St., Northampton, $111,105. heating and ventilating, to R. H. Baker Co., 238 Main St., Cambridge, $21,332. Noted June 9.

Mass., Roxbury (Boston P. O.)—APARTMENTS—Almont Realty Trust, J. Levine, trustee, 1451 Blue Hill Ave., Mattapan, will build two 3 story and basement units, brick and stone, plain foundation, 39-45 Cheney St., here. $160,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill, Boston, archt.

R. I., Cranston (mail Providence)—DORMITORY—State, Pub. Welfare Dept., State House, Providence, 2 story and basement, brick and steel dormitory for women at State Hospital for Insane, here, to A. F. Smiley Constr. Co., 210 Oak Hill Bldg., Pawtucket. $200,000. Noted July 14.

Conn., Bristol — APARTMENT — S. Josolowitz, 50 Grove St., will build 3 story, 68 x 140 ft., brick, steel and stone, Main St., by day labor. $150,000. Private plans. Noted May 19.

N. Y., Buffalo—PASSENGER STATION—New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., passenger station, Curtis St. and Polonia Park, here, to Walsh Constr. Co., 403 Herald St., Syracuse. Archts. est. $12,000,000. Noted June 23.

N. Y., Laurelton (mail Jamaica)—EXCHANGE—New York Telephone Co., 15 Dey St., New York City, 2 story and basement, 75 x 100 ft., rein.-con., concrete foundation, here, to White Constr. Co., 95 Madison Ave., New York City. Archts. est. $200,000.

N. Y., Long Island City—WAREHOUSE—Bloomingdale Bros., Inc., 59th St. and Lexington Ave., New York City, general contract 7 story, 190 x 143 ft., rein.-con., concrete pile foundation, here, to Turner Constr. Co., 420 Lexington Ave., New York City, Archts. est. $1,500,000. Noted June 9.

N. Y., New York—PROFESSIONAL—Philsin Realty Corp., 247 Park Ave., 16 story, 75 x 125 ft., brick and steel, 1014 6th Ave. and 57 West 57th St., to Dwight P. Robinson & Co., Inc., 125 East 46th St. Archts. est. $1,500,000.

N. Y., New York—APARTMENT—G. & F. Impvt. Corp., 1281 Boscobel Ave., will build 6 story and basement, 80 x 123 ft., brick and steel, plain foundation, Jerome Ave. and 166th St. $250,000. Work will be done by separate contracts. C. S. Clark, 443 East Tremont Ave., archt.

N. Y., New York—APARTMENT—I. Polstein, 285 Madison Ave., will build 15 story and basement, 16,000 sq.ft. floor space, brick, steel and stone, plain foundation, West End Ave. and 83rd St. To exceed $750,000. Work will be done by separate contracts. G. F. Pelham, 570-7th Ave., archt.

N. J., New Brunswick—BANK, OFFICE and STORE—H. G. Bach, 63 Schureman St., and M. H. Boylan, 143 Albany St., associated archts., general contract 4 story, 40 x 150 brick and steel, plain foundation, George and Bayard Sts., to T. H. Flynn, 390 George St., for Citizens Nat. Bank, 362 George St. $150,000. Noted June 30.

Pa., Phila.,—WAREHOUSE—U. S. Gypsum Co., 300 West Adams Ave., Chicago, Ill. (1st unit), 1 story, 60 x 200 ft., rein.-con. brick and steel, wood pile foundation, 58th St. and Schuylkill River, to Metzger, Fisher & White, Otis Bldg.

Pa., Phila. — APARTMENT — J. R. K. Scott, Land Title Bldg., 3 story and basement, 125 x 175 ft., brick and steel, plain foundation, Eagle Hill Rd. and Old Lancaster Pike, to A. L. Frezt, Heed Bldg.

Pa., Phila.—STORAGE—Maice Storage Co., 237 Church Lane, 7 story and basement, 75 x 120 ft., rein.-con. and brick, plain foundation, here, to George Kessler Constr. Co., 1733 North Mervine St. Archts. est. $300,000.

Pa., Phila.—ADMINISTRATION—Dept. City Transit, W. E. Ehler, dir., altering and constructing superstructure 2 story, 40 x 209 ft., Broad and Grange Sts., Broad St. Subway Constr. 170, to Nelson-Pedley Co., Corn Exch. Bldg. $180,075. Noted July 7.

Pa., Pittsburgh—BANK—Monongahela Natl. Bank, 6th and Wood Sts., 5 story and basement, triangular shaped, brick, steel and stone, Wood St., Liberty and 6th Ave., to Schultz Schreiner & Clyde, May Bldg. Archts. est. $500,000. Noted June 16.

Pa., Reading—Pennsylvania R.R. Co., Broad St. Sta., Phila., 3 story and basement, 95 x 171 ft., rein.-con., brick and steel Y.M.C.A. building, 6th and Olney Sts., to C. H. Schlegel, Reading. Noted Apr. 28.

Wis., Milwaukee — WAREHOUSE — Tewels Seed Co., 152 Hanover St., general contract 7 story and basement, 75 x 100 ft., rein.-con., plain and wood pile foundation, Hanover St., to S. M. Siesel Co., 160 Ogden Ave. Noted Sept. 30.

Minn., Minneapolis — OFFICE, STORE and GARAGE—La Salle Realty Co., S. T. McKnight, pres., 1236 McKnight Bldg., pres., general contract 3 story and basement, rein.-con., granite and stone, 5th St. and 2nd Ave. S., to C. F. Haglin & Sons, 920 Natl. Bldg. Archts. total est. $250,000. Noted May 26.

Mo., Jefferson City — PRISON — State Penal Bd., T. F. Enloe, chn., will build 4 story, 56 x 183 ft., rein.-con. prison with chrome steel watch tower on penitentiary grounds, by convict labor. $500,000. Kennerly & Stiegemeyer, 1111 Title Guaranty Bldg., St. Louis, archts. Noted June 16.

Mo., St. Louis—POLICE HEADQUARTERS—Metropolitan Police Dept., c/o A. C. Orrick, pres., 208 South 12th St. Blvd., superstructure 5 story and basement, 138 x 218 ft., rein.-con., brick and stone, 12th St. and Clark Ave., to L. B. Kenton Constr. Co., Wainwright Bldg., $353,100. Noted June 16.

Tex., Temple—HOTEL—Owner, c/o Love Constr. Co., (contractor) Temple, will build 9 story and basement, 80 x 110 ft. hotel, 4th and Central Sts. $250,000.

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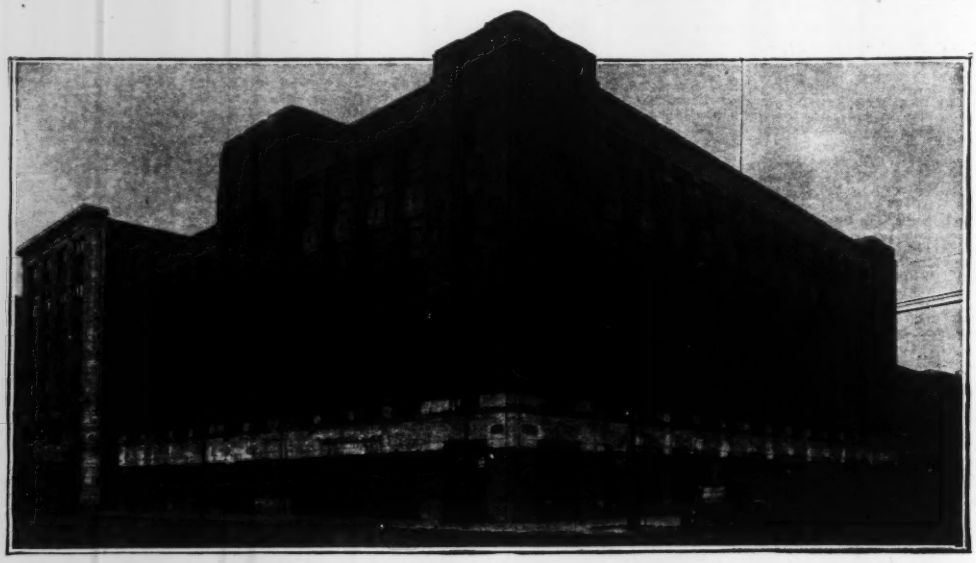
AMERICA NEEDS MORE GARAGES IN HER CITIES



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Buildings—Commercial (Continued)

Wash., Seattle—APARTMENT — Exeter Co., Skinner Bldg., 14 story and basement, 120 x 120 ft., rein.-con., brick and terra cotta, 8th and Seneca Sts., to H. F. Allan, Green Bldg. Archts. est. $1,000,000. Noted Mar. 24.

Calif., Los Angeles—APARTMENT—T. H. Miller, 707 Financial Center Bldg., 8 story, 98 x 170 ft., rein.-con., 1525 North Van Ness Ave., to States Constr. Co., 707 Financial Center Bldg., $400,000.

Calif., Los Angeles—HOSPITAL—Pacific Hospital Assn., 1329 South Grand Ave., 6 story and basement, 122 x 150 ft., rein.-con., Alvarado St. between Temple St. and Bellvue Ave., to Bavin & Burch Co., 173 East Jefferson St. Archts. est. to exceed $150,000.

Calif., Los Angeles—HOTEL—Embassy Holding Corp., 13 story and basement, 50 x 145 ft., rein.-con., 960 West 6th St., to A. Bard & Co., Pacific Natl. Bank Bldg., $500,000.

Calif., Palm Springs — HOTEL — Palm Springs Hotel Co., 2 story with 60 ft. observation tower, brick or concrete, Indian Ave., to Orndorff Constr. Co., 247 North Western Ave., Los Angeles, $550,000.

Calif., San Francisco—HOTEL—J. Bessette, c/o P. Righetti, archt., 12 Geary St., will build 5 story and basement, steel and concrete, Valencia and 15th Sts., by day labor, under supervision architect.

Ont., Toronto — APARTMENT — J. T. Ransome & Co., Metropolitan Bldg., will build 3 story and basement, brick, tile, cut stone and steel, plain foundation, Yonge St. and Farnham Ave., by day labor. $500,000. Private plans.

Buildings—Industrial

Proposed Work

N. H., Manchester—FACTORY—Golden Rule Shoe Co., Lynn, Mass., plans factory, here. To exceed $50,000. Engineer and architect not selected.

N. J., Camden—SILK PLANT—Furness Corp., W. H. Furness, pres., National Park, c/o West Jersey Guarantee & Title Co., 304 Market St., plans artificial silk plant, near here. $10,000,000. Engineer and architect not selected.

N. J., Hillside (mail Elizabeth)—FACTORY—Breen Iron Wks., 276 Badger Ave., Newark, having plans prepared 1 story, 60 x 200 ft., brick and steel, plain foundation, here. $40,000. Private plans.

N. J., Perth Amboy—BEVERAGE and ICE PLANT — G. M. Ricci, archt., 224 Smith St., soon lets contract 3 story, 65 x 80 ft., brick and steel, plain foundation for Owner, c/o architect. $60,000.

N. J., Perth Amboy—FACTORY—Garcia Grande Cigar Co., c/o B. Goldberger, archt., 117 Smith St., having plans prepared 1 story, 50 x 100 ft., brick and steel, plain foundation, Cortlandt St. $40,000.

Md., Baltimore—NEWSPAPER PLANT—Palmer, Willis & Lamdin, archts., 513 North Charles St., soon lets contract remodeling 4 story brick and tile plant 9 and 11 West Baltimore St. and 6 West Redwood St., for Baltimore Sun, Charles and Baltimore Sts.

O., Cleveland—FACTORY—H. M. Morse & Co., archts., Finance Bldg., soon lets contract 4 story, 66 x 121 ft., and 80 x 100 ft., brick, steel and concrete buildings, Foster Ave., for Marble & Shattuck Chair Co., T. W. Foote, mgr.-treas., 10200 Foster Ave. $175,000.

O., Cleveland—FACTORY—Widlar Co., C. W. Brand, pres., 722 Bolivar Rd., had plans prepared by H. E. Shimmin, Bulkley Bldg., 1 story, 80 x 156 ft., brick and steel, Berea Rd. $60,000.

O., Cleveland—FREIGHT WAREHOUSE—Pennsylvania R. R., T. J. Skillman, ch. engr., Broad St. Station, Phila., Pa., soon lets contract 1 story 148 x 282 ft., and 2 story, 39 x 148 ft. buildings. East 26th St. and Hamilton Ave., here. $150,000. Private plans.

O., Columbus—FACTORY—Dean & Barry Co., 296 North Water St., having plans prepared by C. Hibbs, Worthington, 4 story and basement, 50 x 100 ft., brick and concrete, North Water St. $61,000.

Tex., Houston—PUBLISHING PLANT—Houston Press Publishing Co., soon lets contract 5 story, 150 x 220 ft. plant, Chartres St. $300,000. Howell & Thomas, 3866 Carnegie St., Cleveland, O., archts. Swank & Fisher, 403 Euclid Ave., Cleveland, O., engrs. Noted July 6.

Tex., Shamrock—ICE PLANT—Central Power & Light Co., c/o Frost Bldg., San Antonio, purchased site and plans 50 ton ice plant, brick and concrete. $50,000. Private plans.

Okla., Boise City—ICE PLANT—City having preliminary plans prepared new 10 ton ice plant and 200 hp. Diesel engine and generator. C. Margo, city clk. Engineer not announced.

Calif., Los Angeles—FACTORY—W. E. Chadwick, archts., 417 Union League Bldg., preparing preliminary plans 2 story, 100 x 190 ft., rein.-con., Maple Ave. near Jefferson St. $75,000. Owner's name withheld.

Calif., Venice — LAUNDRY — Fellows Laundry of Venice plans 2 story, 100 x 225 ft., rein.-con. addition, 2334 Washington Blvd. $100,000. Engineer and architect not selected.

Ont., Oshawa—PAINT SHOP—General Motors Co. of Canada soon takes bids, 3 story, 60 x 300 ft., paint shop, rein.-con. brick and steel. $200,000. Hutton & Sauter, 6 James St. S., Hamilton, archts.

Ont., Toronto—DAIRY PLANT—S. Caulfield & Son, 381 Roncesvalles Ave., having plans prepared by J. Hunt Stanford & Son, 57 Queen St. W., 2 or 3 story and basement, rein.-con., brick, tile and steel, plain foundation, Howard Park Ave. $150,000.

Bids Desired

Mass., Cambridge (Boston P. O.)—FACTORY—See "Contracts Awarded."

Mass., Marlboro — CIDER MILL and FRUIT CANNING FACTORY—J. E. Rice, Main St., taking bids 1 story, rein.-con. and brick, plain foundation, Northboro Rd. $40,000. J. F. Bigelow, 64 Highland St., archt.

N. J., Newark — FACTORY, etc. — A. Peter, archt., 207 Market St., taking bids 1 story, 40 x 130 ft., brick and steel, factory and office, plain foundation, 320-4 Jefferson St., for J. Morin & Co., Inc., 320 Jefferson St. $40,000.

Pa., Phila.—FACTORY—Aug. 2, by Ballinger Co., archts., 12th and Chestnut Sts., 5 story and basement, 90 x 131 ft., rein.-con. and brick, plain foundation, 417-28 North 8th St., for Brown & Bailey, 410 Franklin St.

O., Crooksville—POTTERY—Aug. 1, by Directors Crooksville China Co., 1 story, 30 x 100 ft. brick addition, incl. experimental laboratory. $40,000.

Ind., Anderson—RAILROAD SHOPS, etc.—July 31, by Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., 230 East 9th St., Cincinnati, O. H. Baldwin, ch. engr., 112 x 205 ft. shop building, 16 stall round house, two 40 x 60 ft. office buildings and 110 ft. turntable, here. Noted May 19 under "Railways."

Neb., Louisville—CEMENT PLANT—See "Contracts Awarded."

Ont., Toronto—SUB-STATION—Aug. 4, by P. W. Ellis, chn. Toronto Electric Commissioners, 12 Adelaide St. E., for concrete, brick and steel, 40 ft. high, John St. Private plans.

Contracts Awarded

Mass., Cambridge (Boston P. O.)—FACTORY—Owner c/o C. Neilson, 27 Western Ave., will build 4 story, 50 x 50 x 58 ft. brick, plain foundation, Dickinson St., $40,000. Work will be done by separate contracts. Private plans. Noted Mar. 24.

N. J., Union City — SILK FACTORY — Schwarzenbach Huber, Inc., 511 23rd St., general contract 3 story and basement, 70 x 90 ft., brick, steel and rein.-con., plain foundation, to Wegton-Abbott Corp., 552 West 23rd St., New York City; reinforcing steel, to J. Ryerson, 30 Church St., New York City. Archts. est. $75,000. Noted June 23.

Pa., Phila.—MANUFACTURING—Hall Bros. & Wood, 54th and Lancaster Sts., 3 story and basement, 113 x 117 ft., brick and steel, plain foundation, to J. N. Gill Constr. Co., 112 North Broad St. Archts. est. $80,000.

W. Va., Charleston—POWER HOUSE—Carbon & Carbide Chemicals Corp., South Charleston, power house, incl. concrete stack, intake and pump house, tanks, etc., to Stone & Webster, 4 Milk St., Boston, Mass. Archts. est. $500,000.

O., Galion—FACTORY—Galion Metallic Grave Vault Co., 1 story, 150 x 600 ft., brick and steel, to W. J. Schirmer Co., 1720 Euclid Ave., Cleveland. Archts. est. $100,000.

O., Jackson—REPAIR GARAGE—Wick Bros., 1 story and basement, 50 x 86 ft., brick and concrete, to O. B. Hankle, Jackson, approximately $40,000.

Mich., Pontiac—FACTORY—Yellow Truck & Coach Mfg. Co., General Motors Bldg., Detroit, 1 story, 160 x 600 ft. assembly plant, 1 story, 60 x 600 ft. drykilns, 3 story, 50 x 341 ft. warehouse and body shop, also detached heating plant, all rein.-con., brick and steel, plain foundations, South Blvd., to J. A. Utley, 729 Penobscot Bldg., Detroit. Archts. est. $8,000,000.

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Buildings—Industrial (Continued)

Ia., Waterloo — TRACTOR PLANT — John Deere Tractor Co., 1 story, 120 x 300 ft., concrete, brick and steel, Miles and Commercial Sts., to J. Olesen & Sons Constr. Co., 1522 Lafayette St., Waterloo; steel, to Rochester Bridge Co., Rochester, Ind. Archts. est. $60,000. Noted June 9.

Neb., Louisville—CEMENT PLANT—Ash Grove Cement Co., Grand Ave. Temple, Kansas City, Mo., will build cement plant, incl. water and sewerage system, and residential district, here, by day labor. $2,000,000.

Mo., Kansas City — MILL — Southard Feed & Milling Co., New England Bldg., general contract 5 story and basement, 56 x 56 ft., rein.-con., 7101 East 17th St., to Industrial Eng. Co., 520 Kansas City Life Bldg.

Calif., Los Angeles—FACTORY—B. F. Goodrich Rubber Co., South Main St., Akron, O., 5 story, 250 x 1,200 ft., brick and rein.-con. main factory, in addition to power house, engine buildings, garages, etc., Mines Ave., here, to Foundation Co., 120 Liberty St., New York City, approximately $5,000,000.

Buildings—Educational, Religious

Proposed Work

Mass., Everett (br. Boston)—SCHOOL—Our Lady of Grace Church, T. J. Walsh, pastor, 56 Nichols St., soon takes bids 2 story and basement, brick and stone, plain foundation, 190 Nichols St. Archts. est. $150,000. M. Sullivan, 80 Boylston St., Boston, archt. Noted Dec. 30.

Conn., West Hartford (br. Hartford)—SEMINARY—St. Thomas Seminary, M. F. McAuliffe, pastor, had plans prepared by L. A. Walsh, 51 Leavenworth St., Waterbury, 3 story and basement, 60 x 480 ft., and two 40 x 160 ft. wings, rein.-con., brick, steel, granite and limestone, Bloomfield Rd., incl. laboratory, dormitories, chapel and central heating plant. $1,000,000. Noted Jan. 20.

N. Y., Lockport—CHURCH—First Methodist Church, H. E. Brees, chn. building com., 22 Main St., had plans prepared by Foote & Carpenter, Temple Bldg., Rochester, 2 story and basement, brick and steel, plain foundation, East Ave. and Washburn St. $175,000.

N. J., Jersey City—NURSES' HOME—City having plans prepared 3 story, brick and steel, plain foundation, Laurel Hill. $150,000. F. J. Radigan, 30 Journal Sq., engr. Steam heating, etc.

N. J., Jersey City—SCHOOL—Bd. Educ., State Bldg., Trenton, soon takes bids general contract, 2 story, steel and brick addition, plain foundation, Culver Ave. and Hudson Blvd., here $550,000. Guilbert & Betell 24 Branford Pl., Newark, archt. Noted Apr. 14.

Va., Richmond—ORPHANAGE—Sisters of Charity of St. Josephs Academy & Orphan Asylum, having plans prepared by Carneal & Johnston, Electric Bldg., Richmond, orphanage, Brook Rd. $450,000.

Miss., Corinth — SCHOOLS — Corinth Separate School Dist. Bd., W. T. Young, secy., having plans prepared by J. P. Roberts, 1st Natl. Bank Bldg., Mobile, Ala., two 1 story school buildings, one 145 x 190 ft., both brick and concrete. $150,000 bonds voted for same. Noted Apr. 7.

Ky., Ashland—SCHOOL—Bd. Educ. having plans prepared by Warner & McCornack, Bulkley Bldg., Cleveland, O., 2 story, concrete brick and steel school. $150,000.

Ky., Lexington — RECITATION — University of Kentucky having plans prepared by F. C. Warner & W. R. McCornack, Bulkley Bldg., Cleveland, O., 3 story and basement, concrete, brick and steel recitation building. $250,000.

Calif., Los Angeles — UNIVERSITY — University of California having plans prepared by Allison & Allison, Hibernian Bldg., part 2 and 3 story, steel and rein.-con., Westwood Campus. $1,200,000. Noted July 14.

Bids Desired

Me., Orono — AGRICULTURAL — University of Maine, F. S. Young, taking bids 2 story and basement, brick addition, plain foundation. $165,000. Crowell & Lancaster, Exchange Bldg., Bangor, archts.

Mass., Fall River — SCHOOL — City Schoolhouse Dept., City Hall, taking bids 2 story and basement, brick and stone, plain foundation, Dwelly, Slade and Lewis Sts. $150,000. J. I. Higgins, 44 Borden Blk., archt. Noted Dec. 2.

Mass., Hyde Park (br. Boston)—HIGH SCHOOL—Aug. 4, by Schoolhouse Dept., Boston, 3 story and basement irregular shaped brick and limestone, plain foundation, Greenwood St., here. $1,200,000. McLaughlin & Burr, 88 Tremont St., Boston, archts. Noted May 26.

Mass., Newton (br. Boston)—SCHOOL—City, c/o E. O. Childs, mayor, taking bids 2 story and basement, irregular size, brick, plain foundation, Waverly Ave. and Ward St., Chestnut Hill Sect. $150,000 or more. J. R. Ritchie & associates, 250 Stuart St., Boston, archts. Noted June 2.

Mass., Rockland—HIGH SCHOOL—Town, c/o P. Mulvihill, secy. building comn., Senior High School, taking bids 3 story and basement, brick and stone, plain foundation, Memorial Park. $350,000. W. Beal & Sons Co., 185 Devonshire St., Boston, archts. Noted July 14.

Mass., Williamstown — DORMITORY—Aug. 5, by Cram & Ferguson, archts., 248 Boylston St., Boston, 3 story and basement, brick, plain foundation, for Williams College, Inc., H. A. Garfield, pres.

R. I., Providence—PAROCHIAL SCHOOL—St. Patricks Roman Catholic Church, M. F. Reddy, pastor, taking bids 2 story, 135 x 145 ft., brick and stone, plain foundation, Smith and Coverlet Sts. $175,000. J. F. Hagen, Grosvenor Bldg., archt.

R. I., Providence—SCHOOL—Aug. 1 by City, Pub. Building Dept., 2 story and basement, 70 x 80 ft., brick, steel and concrete, Bridgeman St. $150,000. T. J. H. Pierce, City Hall, archt.

R. I., Warren—HIGH SCHOOL—Aug. 1, by Town. G. H. DeWolf, chn., 2 story and basement, brick and steel, South Main St. $150,000. E. M. Corbett, 70 Bedford St., Fall River, archt. Noted June 9.

Conn., Wallingford—INFIRMARY—See "Contracts Awarded."

N. Y., New York—SCHOOL—Aug. 9, by W. H. Gompert, Supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 90, Sheridan and Sherman Aves., East 166th and McClellan Sts., here, for Bd. Educ., 500 Park Ave.,

N. J., Montclair—DORMITORY—Aug. 9, by State Bd. Educ., Trenton, 2 story and basement, brick and steel, plain foundation, at Glassboro State Normal School, here. $150,000. Gilbert & Betelle, 20 Branford Pl., Newark, archts. Noted Apr. 14.

N. J., Perth Amboy—SCHOOL—G. M. Ricci, archt., 224 Smith St., taking bids 2 story and basement 85 x 200 ft., brick and steel, plain foundation, Cortland St., for Our Lady of Hungary, 687 Cortland St. $150,000. Noted June 30.

N. J., Totowa (mail Paterson)—DORMITORIES—Aug. 12, by Bd. Institutions & Agencies, State House, Trenton, four 1 and 2 story dormitories at training school for Feeble Minded Females, here. $400,000. C. N. Leathem, Jr., State Bldg., Trenton, engr.

O., Bellevue—HIGH SCHOOL—Aug. 1, by Bd. Educ., for Central High School, brick, steel and concrete. $300,000. H. C. Millott, Sandusky, archt.

Ind., Indianapolis—INSTITUTION—Aug. 3, by Indiana Blind School, 75th St. and College Ave., administration building, 3 dormitories, industrial building and commissary, rein.-con., brick and steel; also water tower, 75th St. and College Ave. $400,000. Harrison & Turnock, 500 Bd. of Trade Bldg., archts. Noted Nov. 11.

Mich., Detroit—SCHOOL—Aug. 3, by Bd. Educ., c/o C. A. Gadd, bus. mgr., 1354 Bway. Ave., 3 story and basement, 114 x 140 ft., rein.-con., brick and steel, plain foundation, Wyoming and West Point Aves. $350,000. Smith, Hinchman & Grylls, 800 Marquette Bldg., archts. Noted May 19.

Mich., Flint—HIGH SCHOOL—Aug. 4, by H. L. Hills, bus. mgr. Bd. Educ., 908 F. P. Smith Bldg., 3 story, brick, steel and rein.-con., Chevrolet Ave. $400,000. Malcolmson & Higginbotham, 904 F. P. Smith Bldg., archts.

Contracts Awarded

Mass., Worcester—PARISH HOUSE—St. Mark's Church, 3 story and basement, brick, plain foundation, Freeland and Main Sts., to Smith & Chevilier, 400 Lake St. Archts est. $150,000. Noted Feb. 17.

R. I., Providence — CHURCH — Swedish Evangelical Gloria Dei Church, K. Johannson, pastor, 14 Hayes St., 1 story and basement, brick and stone, plain foundation, to C. B. Maguire Co., Grosvenor Bldg. Archts. est. $150,000 or more. Noted June 30.

R. I., Providence — DORMITORY and CLASS ROOM — House Good Shepherd, Sister Mary Frances, 3 and 4 story, 100 x 145 ft., brick and steel, Eaton St., to E. Turgeon, 36 Exchange St. Archts. est. $200,000. Noted June 16.

Conn., Hartford—SCHOOL—City, H. U. Tuttle, chn., 3 story, brick and steel, incl. gymnasium, Vine St., to Curtis & Dean, 721 Main St., Hartford, $275,247. Noted June 7.

Conn., Wallingford — INFIRMARY — Choate School will build 1 story, 45 x 125 ft., brick, stone and steel infirmary. $150,000. Work will be done by separate contracts. Cram & Ferguson, 248 Boylston St., Boston, Mass., archts. Noted July 14.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., general contract P. S. 152, Nagle and Hillside Aves., to Hayson Constr. Co., 44 Court St., Brooklyn, $574,000; heating, to H. Starkman & Bros., 1482-2nd Ave., $80,940. Noted June 30.

Pa., Phila.—ART MUSEUM — Comrs. Fairmount Park, City Hall, completing McFadden Art Museum wing, Parkway, to George A. Fuller Co., Morris Bldg. Archts. est. $625,000. Noted June 9.

Pa., Woodlawn—LIBRARY—B. F. Jones Memorial Library, J & L Steel Corp., Pittsburgh, general contract 1 story and basement, steel and stone, plain foundation, to A. and S. Wilson Co., 541 3rd Ave., Pittsburgh. Archts. est. $200,000. Noted Nov. 25.

Del., Wilmington—SCHOOL—Christ Our King Church, 28th and Monroe Sts., general contract 2 story and basement, 62 x 135 ft., steel and stone, 28th and Monroe Sts., to Joyce & Kerrigan, Pennsylvania Ave. and Franklin St., $151,850.

O., Cincinnati — SCHOOL — Bd. Educ., Denton Bldg., 3 story and basement, brick and rein.-con., and plain foundation, Montgomery St., to M. Penker & Sons, 123 Valencia St., $138,272. Noted Apr. 7.

Minn., Collegeville—AUDITORIUM and MUSIC HALL—O'Meara & Hills, archts., 1705 Arcade Bldg., St. Louis, Mo., masonry and carpentry contract 3 story and basement, rein.-con. and brick, here, to P. J. Pappenfus, 12 Weber Bldg., St. Cloud, for St. Johns College. Archts. est. $300,000. Noted May 19.

Mo., Kansas City—SCHOOL—Sisters of Notre Dame De Sion, general contract 3 story and basement, 77 x 189 ft., brick and rein.-con., 38th St. and Gillhan Rd., to Swenson Constr. Co., Shubert Theatre Bldg., Kansas City. Archts. est. $300,000.

Federal Government Work

Proposed Work

Ill., Great Lakes—Heating Plant—Spec. 5404—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans heating plant at Naval Training Station, here.

Calif., San Diego—Boiler—Spec. 5345—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans installing boiler at Naval Operating Base Hospital, here. L. E. Gregory, ch. of bureau.

P. I., Cavite—Water Main—Spec. 5397—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans water main at naval station, here.

Bids Desired

N. Y., St. George—Buoys—Aug. 3, by Superintendent Lighthouses, Staten Island, 7 bell buoys, 36 can and non riveted buoys; 188 small steel welded buoys, also 136 c.i. sinkers, 44 cast iron balls, 400 to 6,590 lb. each, with forged moroing eye cast in.

Pa., Pittsburgh — Bear Trap Leaves — Aug. 15, by U. S. Engineer Office, 2 sets bear trap leaves for Lock 5, Ohio River, here; adv. E. N.-R. July 28.

D. C., Wash.—Laundry Machinery—Aug. 11, by Dept. Interior, E. B. Finney, 1st asst. secy., laundry machinery at Freedmen's Hospital, 6th and Bryants Sts., N. W.

N. C., Goldsboro—Remodeling—Aug. 22, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here; adv. E. N.-R. July 28.

S. C., Charleston—Rewinding Motors—Spec. 5543—Aug. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., rewinding dry dock pump motors at Navy Yard, here. Noted July 21.

Ala., Birmingham—Elevator—Aug. 15, by Supervising Architect, Wash., D. C., elevator in Post Office, here.

Miss., Vicksburg—Levee—See "Contracts Awarded."

Minn., Fergus Falls—Remodeling—Aug. 18 by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here; adv. E. N.-R. July 28.

Mo., Jefferson Barracks (br. St. Louis)—Concrete Sidewalks—Aug. 9, by U. S. Vet-

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Federal Government Work (Continued)

erans Bureau, 791 Arlington Bldg., Wash., D. C., concrete sidewalks at U. S. Veterans Hospital 92, here.

New Mexico—Road—Aug. 2, by Bureau Pub. Rds., Custom House, Denver, Colo., J. W. Johnson, dist. engr., grading 6.61 mi. Sections Cimarron-Taos Natl. Forest Rd., Taos Co.

Contracts Awarded

N. Y., New York—Laundry and Tunnel—U. S. Veterans Bureau, Wash., D. C., laundry addition and connecting tunnel at Veterans Hospital 81, here, to Beech Constr. Co., 122 Lexington St., Brooklyn, $6,137 and $7,826 respectively. Noted June 23.

Pa., Pittsburgh—Lock Gate—U. S. Engineer Office, 1 upper and 1 lower lock gate for Lock 15, on Monongahela River, to Heyl & Patterson, Inc., 51 Water St., $15,-454. Noted June 2.

D. C., Wash.—Administration—Constructing Quartermaster, constructing east and west wings and connecting corridors to administration building. Walter Reed Hospital, to Fleisher Eng. & Constr. Co., Chicago, Ill. Archts. est. $1,077,605 (200 days). Noted July 16.

D. C., Wash.—Test Borings—Treas. Dept., at office Supervising Archt., Wash., D. C., test borings on site of building for Dept. Commerce between 14th, 15th, B and E Sts., to Philip J. Healey, Inc., 25 Church St., New York City, N. Y., $2,035. Noted July 7.

Va., Norfolk—Refrigerating Equipment, etc.—Spec. 5470—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating equipment and cold storage plant at operating base, here, to M. E. Stern, 500 Market St., $5,855.

W. Va., Huntington—Boat—U. S. Engineer Office, 1 steel manouver boat, for Kamawha River, to Zier Boiler & Sheet Iron Co., New Albany, Ind. $11,983. Noted May 19.

Ga., Fort Benning—Fuel Oil Tank—Constructing Quartermaster, constructing addition to fuel oil tank, to J. W. Cooper, Fidelity Bldg., Buffalo, N.Y., $3,540.

Miss., Vicksburg — Levee — Mississippi River Comn., U. S. Engineer Office, Vicksburg, will build 300,000 cu.yd. new levee and dikes at Pandleton; 325,000 cu.yd. enlargement at Sunny Side and Lakeport; 400,000 cu.yd. enlargement Salem-Henderson, and 450,000 cu.yd. enlargement at Duvall-Oakland, by day labor.

Michigan—Dredging—U. S. Engineer Office, Detroit, approximately 258,000 cu.yd. dredging channel Saginaw Bay, to Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland, O. $113,613. Noted May 28.

Ill., Chicago—Dredging—U. S. Engineer Office, dredging Rock Section Calumet River, to Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland, O., $38,870. Noted June 9.

Colorado—Road—J. W. Johnson, dist. engr. Bureau Pub. Rds., Customhouse, Denver, grading, etc. 6.46 mi. Sect. 2, Ward-Raymond Natl. Forest Rd. Project, Boulder Co. to Dooling Bros., Bank Blk., Denver, $66,687. Noted June 23.

Unclassified

Proposed Work

Aviation Field—Attleboro, Mass.—City plans aviation field. $25,000 or more. C. J. Merritt, chn. com. Private plans.

Athletic Field Improvements—Everett (br. Boston), **Mass.**—City, C. C. Nichols, comr., 43 Corey St., plans athletic field, improvements, bleachers, grading, Chelsea St. $25,000. Engineer not selected.

Subway—Springfield, Mo.—C. A. Dickerson, city clk., soon takes bids main structure National Avenue Subway, 470 cu.yd. each earth and rock excav., 1,570 cu.yd. A and 53 cu.yd. B concrete, 26 cu.yd. A concrete stairs, 84,600 lb. reinforcing, 161,-000 lb. structural steel, 853 ft. 12- to 24-in. vitr. clay pipe, 440 ft. waterproofing, 1,170 ft. gas pipe railing, etc. Russell & Axon, and F. D. Hughes, Box 396, City Hall, engrs.

Sub-division Improvements—Beaumont, Tex.—Stern Realty Co. making plans improving land on Highland Ave. and Port Arthur Road, incl. paving $25,000, sewers $30,000, waterworks distributing system $15,000. Private plans.

Pipe Line and Distributing Systems—Texas—Dixie Gas & Utility Co., Marshall, purchased system Marshall Gas Co., Marshall, and making fields near Marshall to Warren, $5,000,000, also natural gas system at Orange, Lufkin and Nacogdoches, $40,-000 each. Private plans.

Oil Pipe Line—Texas—Ohio Oil Co. and Transcontinental Oil Co., San Angelo, making preliminary surveys and plans, etc. 10 in. oil pipe line from Yates Oil Fields near San Angelo, to coast, probably near Port Arthur, $7,000,000. Private plans.

Bids Desired

Heating System—Cambridge (br. Boston), **Mass.**—Radcliff College taking bids heating system in college buildings. $25,-000 or more. Frenck & Hubbard, 210 South St., Boston, engrs.

Rail Track—Chelsea (br. Boston), **Mass.**—July 29, by Eastern Massachusetts Street Ry. Co., 38 Chauncey St., Boston, 2,000 ft. 7 in. Tee rail track, on Everett Ave., here. Private plans.

Mechanical Equipment—Brooklyn, N. Y.—Aug. 9, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., mechanical equipment, incl. plumbing, heating, ventilating, electrical work, lighting fixtures, etc. in P. S. 104 addition, 92nd St. and 5th Ave., for Bd. Educ., 500 Park Ave., New York City.

Coal Trestle, etc.—Orangeburg, N. Y.—Aug. 10, by Dept. Mental Hygiene, Capitol, Albany, constructing coal trestle and railroad track at Rockland State Hospital, here; adv. E. N.-R. July 28.

Park Improvements—Ridgewood (br. Brooklyn), **N. Y.**—Aug. 2, by Park Bd. at office Dept. Parks, Arsenal Bldg., Central Park, New York City, park improvements, at Anawanda Park, here. W. R. Herrick, pres.

Refrigerating Work—Wingdale, N. Y.—Aug. 24, by Commsisioner Dept. Mental Hygiene, Capital, Albany, refrigerating work for kitchen and dining room Building G, at Harlem Valley State Hospital, here; adv. E. N.-R. July 28.

Underground Conduits—Detroit, Mich.—Aug. 1, by J. S. Foley, secy. Pub. Lighting Comn., 174 East Atwater St., underground conduits for power and lighting transmission cables in connection with municipal power plant, for Pub. Lighting Comn. $50,-000. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs.

Culverts—Atlantic, Ia.—Aug. 2, at office Auditor Cass Co., 8 box culverts, etc. G. F. Canon, Atlantic, co. engr.

Grain Elevator—Omaha, Neb.—Missouri Pacific R. R. Co., E. A. Hadley, ch. engr., Ry. Exch. Bldg., St. Louis, Mo., taking bids 1,000,000 bu. rein.-con. and steel addition, here. $500,000. Former bids rejected.

Transmission Line—Missouri—See "Contracts Awarded."

Dredge Boat—St. Louis, Mo.—See "Contracts Awardad."

Bids Received

Subway—Phila., Pa.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., July 19, approximately 3,020 ft. subway in South Broad St., Contr. 109, from Heymen & Goodman, 880 8th Ave., New York City, $7,629,880. Noted June 16.

Contracts Awarded

Tunnel—Newton (Ind. br. Boston), **Mass.**—City, Building Dept., City Hall, concrete tunnel connecting high school, to C. S. Cunningham & Sons Constr. Co., 80 Boylston St., Boston, $36,859. Noted July 21.

Bowling Alleys—New Bedford, Mass.—J. B. Ashley, Jr., 366 Union St., bowling alleys, concrete buildings, Purchase St., to J. Buchan, 741 Kempton St. Archts. est. $35,000.

Operating Equipment—New York—A. Goldman, comr. Plant & Structures, Municipal Bldg., New York City, operating equipment at Slips 1 and 2, foot Whitehall St., Manhattan Boro, and Slips 1, 3 and 4, St. George Ferry Terminal, Richmond Boro, to J. Edward Ogden Co., Inc., 147 Cedar St., New York City, $143,800. Noted June 22.

Comfort Stations—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., general contract comfort station in St. Nicholas Park, to Carbone Constr. Co., 489-5th Ave., $22,850; and in Central Park, to Kandel Constr. Co., 103 Park Ave., $21,985.

Grandstand—Villanova, Pa.—Villanova College, 40 x 340 ft., rein.-con. grandstand, plain foundation, to C. R. Camp, 10 South 18th St., Phila., $39,818.

Transmission Line — Missouri — Missouri Power & Light Co., Mexico, will build approximately 20 mi. 33,000 volt transmission line from Vandalia to Wellsville, also reinsulate approximately 22 mi. from 16,000 volt to 33,000 volt transmission line between Mexico and Wellsville, by day labor. Private plans.

Dredge Boat—St. Louis, Mo.—Sternberg Dredging Co., 1706 Arcade Bldg., will build dredge boat 48 x 130 ft., by day labor; machinery and equipment for same, to Monighan Mchy. Co., 931 North Kilpatrick Ave., Chicago, Ill. Total $250,000. Private plans.

Pipe Line—Texas—Prairie Oil & Gas Co., Amarillo, 150 mi. 15 in. main pipe line from Amarillo to Lubbock, to Connor & Sons Constr. Co., 407 Security Bldg., Kansas City, Mo., $1,800,000.

Gas Pipe Line—Texas and Louisiana—Dixie Pipe Line Co., W. L. Moody, Jr., Galveston, 140 mi. 22 in. gas pipe line from North West, La. to Livingston, Tex. thence to Houston, Port Arthur and Orange, Tex., 150,000,000 cu.ft. carrying capacity, line to Houston, Port Arthur and Orange, 16 in. with 100,000,000 cu.ft. daily capacity, to Moody Seagraves Co., Orange, $10,000,-000. Noted July 21.

Materials

Bids Desired

Steel, etc.—Elmira, N. Y.—Aug. 8, by Superintendent Reformatory, structural steel and steel window sash for Shop Building 3, at New York State Reformatory, here; adv. E. N.-R. July 28.

Frogs, Switch Points, etc.—Phila., Pa.—Aug. 4, by C. E. Walsh, purch. agt. Pennsylvania R. R. Co., 15 North 32nd St., West Phila., frogs, switches and switch points, Contr. 94—1927; guard rails, Contr. 95—1927; and paint, Contr. 96—1927.

Structural Steel, Gauge Rods, etc.—Phila., Pa.—Aug. 2, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., structural steel for bridges, Contr. 90—1927; gauge rods, crossings, turn outs, Contr. 91—1927; joint bars, Contr. 92—1927; and fence posts, Contr. 93—1927.

Cement—Alabama—Aug. 17, by State Hy. Comn., Montgomery, (**F. A. P. means Federal Aid Project**), approximately 4,966 bbl. cement or 33,110 bbls. Puzzolam cement, for F. A. P. 151, Cullman Co. to be delivered f.o.b. cars Cullman, Hanceville and Garden City; 55,240 bbl. cement or 36,826 bbl. Puzzolam cement, for F. A. P. 149, Jefferson Co., delivered f.o.b. cars Warrior, Seloca, Kimberly and Morris; approximately 12,923 bbl. cement or 8,615 bbl. Puzzolam cement for F. A. P. 194, Montgomery Co., delivered f.o.b. cars Montgomery and tunters Stations; approximately 22,841 bbl. cement or 15,228 bbl. Puzzolam cement for F. A. P. 148, Montgomery and Autauga Counties, delivered f.o.b. cars Hunters Station, McQueen Station and Prattville; 36,568 bbl. cement or 24,379 bbl. Puzzolam cement for F. A. P. 146-B, Mobile Co., delivered f.o.b. cars Theodore, St. Elmo and Grand Bay; 35,-826 bbl. cement or 23,884 bbl. Puzzolam cement, for F. A. P. 101 (reopened), Butler Co., delivered f.o.b. cars Fort Deposit, Searcy and Greenville; also 8,102 bbl. cement for F. A. P. 147, Jefferson Co., delivered f.o.b. cars Birmingham and at siding on Acton Spur.

Bridge Lumber—Iowa—Aug. 5, at office State Hy. Comm., Ames, 37 carloads bridge lumber delivered at various points in state.

Pipe—Seminole, Okla.—Mayor and City Council in market 100 tons 6 in. Class "B" c.i. pipe.

Ties—Montreal, Que.—Aug. 1, by G. P. MacLaren, genl. Ties & Times Agt. Canadian Natl. R.R. Co., railway ties.

Bids Received

Cement, Sand, Rock, etc.—Los Angeles, Calif.—M. B. Beatty, clk. Los Angeles Co., from Riverside Portland Cement Co., 742 South Spring St., Southwestern Portland Cement Co., 356 South Spring St., and California Portland Cement Co., Pacific Mutual Bldg., 2,600,000 bbls. cement in bulk, f.o.b. cars at mills (Crestmoore or Colton) $4,602,000, in sacks $5,772,000, in bulk in Districts yard at Azusa $5,343,000, and in sacks at Azusa, $6,513,000, etc.; from Union Rock Co., 7th and Los Angeles Sts., sand, etc., 1,620,000 tons sand, 1,330,000 tons gravel and crushed rock, etc., f.o.b. cars Largo or Rivas on P. E. Ry. and Kincaid on Atchison, Topeka & Santa Fe R.R., freight to be added as per schedule accompanying bid, $4,550,000; from Builders Crushed Rock Products Co., P. O. Box 568 Azusa, sand at $0.50 per ton, and rock $1 each class. Noted June 18 and 23.

See proposal advertising on page 120

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Bridge—Oakland, Calif.

Bids were opened by Alameda Co. (lowest three) for constructing bridge over Arroyo De La Laguna on County Road No. 5428, near Hacienda, Pleasanton Road Dist., Pleasanton Township, from (A) Baldwin Bros., Berkeley Builders' Exchange, Berkeley (awarded contract); (B) Walter M. Willett; (C) McDonald & Mazzora. The unit bids are as follows:

	A	B	C
550 cu.yd. excav. and backfill below elev. 275.0	$6.00	$5.50	$9.00
570 cu.yd. excav. and backfill above elev. 275.0	1.75	2.50	5.00
880 cu.yd. excav. for roadway	1.00	1.00	.75
5,650 sq.ft. 4-in. gravel roadway surf.	.055	.075	.06
480 cu.yd. Class "A" concrete	14.50	23.00	22.00
440 cu.yd. Class "B" concrete	22.50	22.00	21.00
110,000 lb. reinforcing steel	.054	.05	.05
319,000 lb. structural steel	.072	.063	.06
Removal of bridge (lump sum)	100.00	1,000.00	200.00
100 lin.ft. steel guard fence	1.00	120.00	2.00
100 lin.ft. 12-in. iron drainage pipes	1.50	160.00	3.00
Cutting thru concrete (lump sum)	500.00	250.00	300.00
Totals	$52,706	$53,326	$54,289

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Approaches to Viaduct, Cincinnati, Ohio

Bids were opened by Commissioners of Hamilton County, Feb. 25, for grading, curbing and paving 4,600 sq.yd. approaches to viaduct over Pennsylvania R.R. on I. C. H. 8, from (A) Foley Construction Co., 3209 Boudinot Ave., (awarded contract); (B) Brewer & Brewer; (C) J. L. Radabaugh, Montgomery; (D) W. P. Flynn. The unit bids are as follows:

	A	B	C	D
38,000 cu.yd. embankment	$0.80	$0.80	$0.90	$1.30
80 cu.yd. crushed stone, spread and rolled	4.00	4.00	4.00	5.00
20 cu.yd. screenings, spread and rolled	4.00	4.00	4.00	5.00
2,500 lin.ft. protection fence	.75	.80	.80	1.00
4,600 sq.yd. concrete pavement (1-1½-3) 10 in.	3.00	2.90	2.90	5.00
1,200 lin.ft. concrete curb	.30	.40	.40	2.00
30 cu.yd. concrete (walls 1-2-4 mix)	15.00	15.00	15.00	20.00
4,600 sq.ft. cement sidewalks	.30	.30	.30	.30
Totals	$49,205	$50,100	$52,250	$79,780

Engineering News-Record, Issue of July 28, 1927.

Road—New Hampshire

Bids were opened by State Highway Department, Concord, Apr. 15, (lowest three) for road in Shelburne, Project No. 229-B, from (A) W. H. Hinman, Medway, Mass. (awarded contract); (B) A. G. Bianchi, Longmeadow, Mass.; (C) Williams & Sorrenti, Boston. The unit bids are as follows:

	A	B	C
13,173 cu.yd. earth excavation	$1.00	$0.90	$1.00
1,304 cu.yd. ledge excavation	2.50	5.00	4.00
3,887 cu.yd. gravel base course	1.45	1.35	1.50
2,529 cu.yd. gravel sur. course	1.45	1.50	2.00
16 cu.yd. class "B" concrete	25.00	25.00	20.00
55 cu.yd. class "C" concrete	20.00	20.00	20.00
1,842 lb. reinforcing steel	0.10	0.10	.05
186 lin.ft. laying 12-in. c.m. pipe	1.00	1.00	.70
10 lin.ft. laying 14-in. c.m. pipe	1.00	1.20	.70
14 lin.ft. laying 20-in. c.m. pipe	1.00	2.00	.70
364 lin.ft. laying 15-in. r.c. pipe	1.25	1.50	.90
32 lin.ft. laying 18-in. r.c. pipe	2.00	2.50	.90
512 lin.ft. wood guard railing	0.75	.70	.70
2,788 lin.ft. wire cable railing wp.	.85	.80	.75
Totals	$30,903	$32,541	$33,742

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Road—Kansas

Bids were opened by State Highway Comn., Topeka, May 20 (lowest four and highest), for constructing 1.067 mi. Lecompton Road, State Highway No. 92, F. A. P. No. 268, Sect. I, Leavenworth Co., from (A) C. L. Dolman, Topeka (awarded contract); (B) M. R. Ammerman, Wichita; (C) Wyland, Lattin & Yard, Osborne; (D) A. L. Cook, Ottawa; (E) A. A. Davis & Co., Kansas City, Mo. The unit bids are as follows:

	A	B	C	D	E
38,417 cu.yd. earth excav.	$0.34	$0.42	$0.40	$0.38	$0.40
3,453 cu.yd. rock excav.	1.45	1.50	2.00	2.00	2.00
348.1 cu.yd. class "A" concrete	19.00	18.50	19.00	21.50	24.00
1.2 cu.yd. class "E" concrete	35.00	35.00	35.00	40.00	40.00
2.5 sq.yd. plain rip rap	1.25	4.00	4.00	4.00	2.50
39,069.1 lb. reinf. steel in place	.05	.05½	.05	.05	.06
1,710 lin.ft. guard fence, cable, R. C. posts	.75	.80	.75	.80	1.00
12.95 sta. hedge to be removed	10.00	10.00	10.00	10.00	12.00
Totals	$28,093	$31,453	$32,304	$32,498	$34,891

Engineering News-Record, Issue of July 28, 1927.

Levee and Sea Wall—Beardstown, Ill.

Bids were opened by State Division of Waterways, 950 Transportation Bldg., Chicago, May 25, for constructing levee and seawall, from (A) McWilliams Dredging Co., 1537 McCormick Bldg., Chicago, (awarded contract earth levees); (B) J. A. Heyworth, Inc., 606 South Michigan Ave., Chicago (awarded contract concrete river front wall and other work); (C) B. Layton, Muscatine, La.; (D) Byrne Bros. Construction Co., Inc., 624 S. Michigan Ave., Chicago; (E) States Corporation, 38 S. Dearborn St., Chicago; (F) Kochlitzky & Prosser, Cape Girardeau, Mo. The unit bids are as follows:

	A	B	C	D	E	F
Clearing for embankment (lump sum)	$4,000.00	.....	.....	$9,280.00	$15,000.00	$5,000.00
450,000 cu.yd. embankment	.26½	.....	.....	.25	.24	.32
Cofferdams, pumping, bailing, etc. (lump sum)	.....	$22,500.00	$37,500.00	56,169.30	87,900.00	10,000.00
11,000 cu.yd. excav. for concrete walls	.....	1.00	2.00	.67	2.00	1.00
10,000 cu.yd. concrete	.....	10.00	10.25	10.32	12.90	21.00
25,000 lb. metal reinforcement	.....	.20	.05	.05½	.05½	.06
30,000 lin.ft. foundation piles	.....	.75	.75	.85	.95	1.00
120 M. 1,000 ft. b.m. timber sheet piling	100.00	.....	.....	110.65	125.00	100.00
24,000 cu.yd. backfill	.....	.60	.50	.28	1.00	.80
1,000 sq.yd. stone paving	3.00	.....	.....	3.00	2.00	3.00
1,000 lin.ft. vitrified pipe, 6 in. dia.	.50	.....	.....	1.00	.50	.20
Totals	$138,750	$174,200	$196,750	$338,832	$431,275	$444,300

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UNIT PRICES *Continued on page 48a*